

<110> Rosen et. al

<120> 101 Human Secreted Proteins

<130> PZ017P1

<140> Unassigned

<141> 1999-03-31

<150> 60/060,837

<151> 1997-10-02

<150> 60/060,862

<151> 1997-10-02

<150> 60/060,839

<151> 1997-10-02

<150> 60/060,866

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<150> 60/060,836

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<150> 60/060,833

<151> 1997-10-02

<150> 60/060,884

<151> 1997-10-02

<150> 60/060,880

<151> 1997-10-02

<160> 390

<170> PatentIn Ver. 2.0

<210> 1

<211> 733

<212> DNA

<213> Homo sapiens

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tctcccgga	tcctgaggtc	acatgcgtgg	tggtggacgt	aagccacgaa	gaccctgagg	180
tcaagttcaa	ctggtacgtg	gacggcgtgg	aggtgcataa	tgccaagaca	aagccgcggg	240
aggagcagta	caacagcacg	taccgtgtgg	tcagcgtcct	caccgtcctg	caccaggact	300

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ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg 360
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catcccggga tgagctgacc aagaaccagg tcagcctgac ctgcctgggtc aaaggcttct 480
atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagAAC aactacaaga 540
ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg 600
acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggtctctgc 660
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gactctagag gat 733

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<210> 2
<211> 5
<212> PRT
<213> Homo sapiens

<220>
<221> Site
<222> (3)
<223> Xaa equals any of the twenty naturally occurring L-amino acids

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Trp Ser Xaa Trp Ser
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<211> 86
<212> DNA
<213> Homo sapiens

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cccgaatatat ctgccatctc aattag 86

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<210> 4
<211> 27
<212> DNA
<213> Homo sapiens

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<400> 4
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<210> 5
<211> 271
<212> DNA
<213> Homo sapiens

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gccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat 180
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<213> Homo sapiens

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32

<210> 7

<211> 31

<212> DNA

<213> Homo sapiens

<400> 7

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31

<210> 8

<211> 12

<212> DNA

<213> Homo sapiens

<400> 8

ggggactttc cc

12

<210> 9

<211> 73

<212> DNA

<213> Homo sapiens

<400> 9

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ccatctcaat tag

60

73

<210> 10

<211> 256

<212> DNA

<213> Homo sapiens

<400> 10

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caattagtca	gcaaccatag	tcccggccct	aactccgccc	atcccggccc	taactccgcc	120
cagttccgcc	cattctccgc	cccatggctg	actaattttt	tttatttatg	cagaggccga	180
ggccgcctcg	gcctctgagc	tattccagaa	gtagtgagga	ggcttttttg	gaggcctagg	240
cttttgcaaa	aagctt					256

<210> 11

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (186)

<223> n equals a,t,g, or c

<400> 11

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60

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at ttataagc	ctagtagcct	aataagcata	acctcagact	taccaggcct	cacactgaag	180
tcatgnaact	tcagcccaac	ccccatgcca	gggcaaaacc	ttgttggtac	ctcttattcc	240
tctcttgcc	catcccatcc	atgttcagtc	tgtcagtgga	tcctgtgagt	ccagtcttga	300
ggatagttcc	aggatctgat	cactttctac	tgctctttt	gctgccacca	cctctggcct	360
ggataattgc	agcagcctcc	cagtttagcct	tgctgtgtcc	atccttggtt	tccccctctg	420
tctgctctca	acagaggagc	tagtgattct	cttaggacag	aataaatcat	ttaggttttc	480
ttcacatgg	cctgaagaag	cttcctacct	cactcagtg	aaaaaccaa	aaaaaaaaa	540
aaaaaaactc	ga					552

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 <212> DNA
 <213> Homo sapiens

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aaaattatga	ataggatata	ctaataaata	caaagtaata	acaaaagtca	aagcagtg	180
ctaaataaaa	attctgggtt	ccttaaaaa	tattttta	ttatcttgaa	atagttttct	240
tagattaatc	tcaggatatg	agaaagtcaa	ttaagtgtga	gtaaagttag	tatcattaaa	300
caaattgtct	attaaatgca	mgagtggtaa	tatacagaat	ttatcaggca	ttaccaagtc	360
taggcacata	taggaaatgc	agcactcaga	atggtttcaa	tgtagtagtt	gatgcttgta	420
aggtagggga	gcttattcag	acatagtaga	tagtttctct	aatgctgtst	caattgctgg	480
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gcagtatgtt	ttgctgacat	taagatgtag	gttatagata	ggtttagcct	ttaagtgtat	660
gtttttatac	tttaaaataa	gaaatataac	cttttaagct	attccacctc	ctcccccagc	720
ctatctcaaa	ctggtggaat	atatggagag	atcttgaaag	aagtaaaata	aaccttca	780
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agaagactca	tctgtagctg	tttgctgact	cctatgagcc	ccataagggt	tctgtgctta	1020
gcattaacaa	aataagggtt	ataggtaaa	ccaatgtatt	aatttttttt	tgcatggagg	1080
gctttaaaat	ttgtgctctt	tttcataatt	tattcatatt	caatttatgg	tttgtaactg	1140
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ggataattta	atttacgtgc	ttctgttatt	cagaataaag	agagaagact	acgctgcata	1260
ttcaagagtt	gtaccttaac	attgggtgaa	cattttttct	aagattttca	aaaggaatat	1320
gtgtaaatg	agaaatcata	accactgtcc	taacttggt	aacaaactgt	tcttaataa	1380
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<210> 13
 <211> 1881
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (126)
 <223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1860)

<223> n equals a,t,g, or c

<400> 13

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acagcncctg	tagtagagcg	aagtatttat	taatacagaa	ttaaccttmg	ccccctttaa	180
gtcaagtctg	tctaatactaa	ctagcgccct	gctttgcctt	ctcacaatgc	tcactagcca	240
tcatgctcac	ccttctcttc	cagatccact	tcctcatgat	actgtcttct	aactgggctt	300
acttaaagga	tgcgagcaaa	atgcaggctt	accaggatat	caaagcaaag	gaagaacagg	360
aactgcaaga	tatccagtct	cggtcaaaaag	aacaactcaa	ttcttacaca	taaatgtttg	420
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aatattggag	gtttcatggt	agccatttta	aaaggcaaca	ctttgacaaa	atgatcgttc	660
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gttycctgga	ttttataaca	tacatgtgca	gaaatgtatt	caaataagaa	gaagcatacc	1800
tttatcaaga	tgctattaaa	attgaacatc	aagtataaaa	aaaaaaaaaa	aaaaaaattt	1860
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<211> 1060

<212> DNA

<213> Homo sapiens

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aaggtgtcct	gctaccatat	ccaacagcta	acctagtact	ggatgtggtg	atgtctctcc	180
tttatcttgg	aattgaagta	attcgccctgt	tttttggtac	aaagggaaac	ctctgcagc	240
gaaagatgcc	actcagtatt	agcgtggcct	tgaccttccc	atctgccatg	atggcctcct	300
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catgaaacta	actttatTTT	ataataaata	trtatTTTct	gttgtggggg	aaaaaaaaaa	1020
aaaaaaactt	cgaggggggg	caocggtacc	caatcgaccc			1060

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 <212> DNA
 <213> Homo sapiens

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 <211> 1036
 <212> DNA
 <213> Homo sapiens

<400> 16						
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tgatgggtgat	ggcaaagatc	ttgtgcctca	agcagccatt	gagtatggca	ggatcctgac	240
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gagtgtgtat	acccaggctt	gtctggaagg	agaaggcctt	tgctgcctga	aagtcwmaaa	960
aaaaaaaaaa	aaaackcgag	ggggggcccc	gtaccagct	tttgttccct	ttagtgaggg	1020
ttaatttgcg	cgtccg					1036

<210> 17
 <211> 1014
 <212> DNA
 <213> Homo sapiens

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 tcttcccaga aagttgctct tcataaactt tattgcctgc aggccttagt gatactttga 840
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<210> 18
 <211> 1287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1282)
 <223> n equals a,t,g, or c

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 gatctgacaa atgtatgttt aaacatgaat tagaagagtt gagaactacc attatgtata 180
 gggatttctca tagtgtcttg gcccttaatt ggaaagttgt ggcaacttta aagtactttt 240
 tactgtatgt tataattctt tataacttag agagagacaa tggctactca aactatgaga 300
 actatgaatt aggagataaaa agtttaaaatt tgttgttgtt ttataacagt atgtacaagt 360
 tagttttccc ttatatatatt acgttttcaa gttttttaat ctcatcatat acatccatac 420
 tctataaaaat gtttttatatt caaagaactg taaaatccta aacattagtt ttcactattg 480
 aaattgtttt ttaaagatag gcataaatag ttgtccttag acttattcat acaaatatag 540
 tcattttactt ctatgtagtt tgagattctg agagttattc caactttatg aagattgatt 600
 tcaatgtgcc tgctaagtcc taaaagattc agaaagaaaa tttatatatt attgatttaa 660
 atatcatcct ttaaatatgt tgtataacat tcaatatagt ttatgtatca gtgattgtat 720
 tttattctga atgcatgac tcaagcctta actactataa tctttttctg cccctcagaa 780
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 ttgaaaagtt tatctttttac ttgtaaacct tgtttgccag ttaccttccg aaagctgtgt 1140
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 taataaatat aacctgtaaa ccacaaaaaa aaaaaaaaaa aaactcgagg gggggcccg 1260

taccaatcg csgwgtgatg gngctat

1287

<210> 19
 <211> 1105
 <212> DNA
 <213> Homo sapiens

<400> 19
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 gccacagttt gaaaggcatt tatttgatct tgtctctaaa tttccatttt acatgtagca 240
 cttacccggt ggaagtga aaacagtgaa cgctaaaaaag ccctgtgtct ctcgggtggtg 300
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 cttttcttct tttccaaaca cgtgtgcaga cttcccctgc atttcagccc caccctcttt 420
 attttactgc ctaatctata aaggaggatt aacagcagca cgctgctttg gcatagagca 480
 gattctgggt gaggacctgt aggttagagt taatgaatac aattttctag gactgtgagt 540
 gcatattttt agctccatgc tgggcttcag cgttggctct tgagacagat gaacagactc 600
 tttgatcaga cttgggtgtt gctccaagaa gaacttttct cagaaagtcg ttaggaaaaa 660
 aaattgtctt ctgttgccct tattccta atgtgactcta tagattcaga ttccagataa 720
 cttgtcctga tctcagtaaa ttaattgcat tgcaacattg agttacacca ctgtggaaag 780
 aaaaagtact tctgggcagg aacagatcca ctttctcaca aaagagaatg gctgggtgttc 840
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 ggggaggttt ggcctagaca acatcataga cactatatcc cccctggagt taccaaacia 960
 taaaactgct tcctttgcca aacacaaaaga atggtctgga gttggatatt agcaaacagc 1020
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 caatcgctcg tgatgtatcg tatac 1105

<210> 20
 <211> 1089
 <212> DNA
 <213> Homo sapiens

<400> 20
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 gccaaaaagc ccagcttcta taacttggtt atgggtaccg tacatagaag caccaggac 180
 tgcaatccct tttgtataca agtttctttt ctttctgagc caagtcaaga aacctgaaaa 240
 ctataaggca ggaaaaaaga agaagattaa grttatccat gatttcatca ctcgggatga 300
 ccagtgttat tgtactattt atcttaaaag tgtttttcaa atatttttct acaacatcat 360
 ttttaa atgc ttgcatacat tttatacata aatgtaaact agttaactaa ttcctctatt 420
 gctggaattt taagatgtct ctaa atgata taaacaatat ttcaaatttt gtgattggga 480
 atgtggattc tagaatatga gtgtcaagg ccaagatttg tctccactgt ttgttaggtg 540
 aattgcataa actctataaa ctcagtttcc tactttaaaa aacagaagtg tgtcagtac 600
 agtgggtgat gcctgtagtc ctagctattc tagaggcaga ggggagagga tcacttgagt 660
 ccaggagttt aaagctgtag tgtgccatga tctcacctgt gaatagccac tgcaactccag 720
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 tacgcctgta atcccagcac tttgggaggc tgaggcagg ggatcacgtg gtcaggagtt 840
 cgagaccagc ctggccaaca tgggtgaaacc ccgtctctac caaaaataca aaaattagct 900
 ggggtgtggag gtgcatgcct ataattccag ctactcagga ggctgaggca ggagaatcgc 960
 ttgaaccggg gaggcgtgtg ttgcagttag cgaagatagt gccattgcac tccagcctgg 1020
 gtgacagggt gagactctgt ctcaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
 aaactcgta 1089

<210> 21
 <211> 2831

<212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (182)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (219)
 <223> n equals a,t,g, or c

<400> 21

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taggtgagct	gagtataaaa	attggaagca	caattgatga	caccatcagc	aagttccgga	180
gnaagataga	gaagactctc	cagaaagatg	cagcgacana	atkgaggaaa	agaaagcgag	240
aagaggcgaga	tctcccaaag	gtgaattcaa	agatgaagag	gagactgtga	cgacaaagca	300
tattcatatc	acacaggcca	cagagaccac	cacaaccaga	cacaagcgca	cagcaaatcc	360
ttccaaaacc	attgatcttg	gagcagcagc	acattacaca	ggggacaaag	caagtccaga	420
tcagaatgct	tcaacccaca	cacctcagtc	ttcagttaag	acttcagtcg	ctagcagcaa	480
gtcatctggt	gaccttgttg	atctgtttga	tggcaccagc	cagtgcaca	ggaggwtcag	540
ctgatttatt	cggaggattt	gctgactttg	gctcagctgc	tgcacagggc	agtttccctt	600
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ccccatcagg	ccctgttgct	tccagtggcg	agttcttttg	cagtgcctca	cagccagcgg	720
tagaacttgt	tagtggtctc	caatcagctc	taggcccacc	tcctgctgcc	tcaaattctt	780
cagacctgtt	tgatcttatg	ggctcgtccc	aggcaaccat	gacatcttcc	cagagtatga	840
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gttttttata	aaaatatata	tttttgtcca	agaaaaaaaa	aagcatacat	atgtgattat	1980
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ttatactatc	caaattttta	ttgtaacaaa	acctctttta	gcaattgggtg	attgccatgg	2100
gacttttccc	atgtcttctg	ctgtaattat	cctgtgcaga	actaggaaga	aatttttttc	2160
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tcatttaagt	caggaacagt	cagaaaaata	tttattttat	tttttttttg	ggtgtctgca	2340
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aatatggttc	caatagagga	gttaaatata	tattgttaaa	ggagacctgt	agcagtcaaa	2520
gattttattg	atttaatgac	aaaggaaatt	aatgaaaatg	tttttgtttt	tctgctgtaa	2580
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tttaccctca	agctgggaat	atttttcaaa	ataaatacta	taatatagat	atcaaatatt	2700

tacctcccca	tgttatgttg	aaaatTTTTT	tattaaattg	ataaaacttt	atttccatta	2760
tattcataat	gttctgttat	acataacatt	aaaatgttca	ttaaaaaaaaa	aaaaaaaaaa	2820
ctcgagacta	g					2831

<210> 22
 <211> 1448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1434)
 <223> n equals a,t,g, or c

<400> 22						
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tgatctgtcg	cctgggtggg	ctgggtgttg	ggatgctgtg	tccagcttat	gcttcctata	180
aggctgtgaa	gaccaagaac	attcgtgaat	atgtgcgggtg	gatgatgtac	tggattgttt	240
ttgcactctt	catggcagca	gagatcggtt	cagacatttt	tatctcctgg	ttccctttct	300
actatgagat	caagatggcg	ttcgtgctgt	ggctgctctc	accctacacc	aagggcgcca	360
gctgctttac	cgcaagtttg	tccacccgtc	cctgtcccgc	catgagaagg	agatcgacgc	420
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cctcaacatt	gccgcctccg	ctgctgtgca	ggctgccacc	aakagtcagg	gggcgctggc	540
cggcaggctg	cggagcttct	ccatgcagga	cctgcgctcc	atctctgacg	cacctgcccc	600
tgccctaccat	gacccctctt	acctggagga	ccagggtgtc	caccggaggc	caccctattgg	660
gtaccggggc	ggggggcctg	aggacagcga	caccgaggat	gagtgttggt	cagatactga	720
ggcagtgccc	cgggcgccag	cccggccccg	agagaarccc	ctaataccga	gccagagcct	780
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cacctgggtg	tgttcattcc	ttcctgtcct	tcaaagtact	tgatagcctt	tcataaggcc	1260
tggcacatgt	gtcctgggtg	tgtgtgtgtg	tgttgggtgag	tgagggtcagg	tttgcgagtg	1320
ttttgataaa	taaatacata	aaggggcaaa	aaaaaaaaaa	aaaaaaaaaa	aacaaaaaaa	1380
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaanaaaaaa	1440
aaaaaggg						1448

<210> 23
 <211> 1211
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (131)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (915)
 <223> n equals a,t,g, or c

<400> 23
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 caccacagcc tgccctgggac aaccctcctt agccgcagcc ccttccagtt ccctgagggg 120
 ttctgcccct nccccctctc tggggggcacc aacccccccag ggtcctgcat cccaccatgt 180
 cgatggctgt ggaaaccttt ggcttcttca tggcaactkt ggggctgctg atgctggggg 240
 tgactctgcc aaacagctac tggcgagtgt ccaactgtgca cgggaacgtc atcaccacca 300
 acaccatctt cgagaacctc tggtttagct gtgccaccga ctccctgggc gtctacaact 360
 gctgggagtt cccgtccatg ctggccctct ctgggtatat tcaggcctgc cgggcactca 420
 tgatcaccgc catcctcctg ggcttcctcg gcctcttgct argcatakeg ggcttgcgt 480
 gcaccaacat tggggggcctg gagctctcca ggaaagccaa gctggcgggc amcgcagggg 540
 ccctccacat tctggcgggt atctgcggga tgggtggcmat ctcttggtac gcttcaacat 600
 cacccgggac ttcttcgacc ccttgtagcc cggaaccaag tacgagytgg gccccgsect 660
 ctacctgggg tggagcgcc cactgwtctc catcctgggt ggcctctgcc tctgctccgc 720
 ctgctgctgc ggctctgacg argaccagcc gccagcgccc ggcggsccta ccargctccc 780
 gtgtccgtga tgcctgtcgc cacctcggac caagaaggcg acagcagctt tggcaaatac 840
 ggagaaacg cctacgtgta gcarctctgg cccgtgggsc ccgctgtctt cccactgccc 900
 caaggararg ggacntggcc gggggccatt cccctatagt aacctcaggg gccggccacg 960
 ccccgctccc gtagccccgc cccggccacg gcccctgtgc ttgcaactct atggccctc 1020
 caggccaaga amtgtcttg ggaagtgcga tatctcccct ctgaggctgg atccctcatc 1080
 ttctgacctt gggttctggg ctgtgmaggg gacggtgtcc ccgcacgttt gtattgtgta 1140
 taaatacatt cattaataaa tgcataattgt gaccgttaaa aaaaaaaaaa aaaaaaaaaa 1200
 aaaaaactcg a 1211

<210> 24
 <211> 1060
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (453)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1045)
 <223> n equals a,t,g, or c

<400> 24
 gccacttctt ccaaatacag tagatgtgtc tgctgtgtat ttatacaaca tcctgaacta 60
 cttaacatgc tgtttattta cttgttttga ttccccatta gaataggctc tgagaaagca 120
 aagactgtat ctgtcttgct tatcattgta tccctgacag ctgcgccact ggctggcttt 180
 taataagcac accataaata tttacttgaa atactcattt ttaaaatgaa cagatgaatg 240
 aatgatagat ggatgggtga tggcattatg tagctaaaaa ttgtgtcctg tctctaccta 300
 tttttgaaga ccataccttta gtttgcgttt cctgcatagt ttgagggggc tttttttggt 360
 ccataactct tgtcttttat tcaaattaaa acaccgaaca aaagcacatt cgattattgr 420
 ccatgrggtt ttttattcyg ctgtcagtggt canccycmtg tctaaatccc cygggggtcaa 480
 acttacatat atctggatag cccttttkga tgacgatggg agtctaattt gtgtgttatg 540
 tgctcttgaa atgttttgct gtaaagacac tagaactgaa ttttgcttta ttgccaatga 600
 tgatgaatgt taaaaaaaac aactcagtaa cattcaaacc aatttccaag tttgttcttc 660
 agccagagga acttgcacac tgactttttg taaaggtagc agatttattg tgttgtaatt 720
 catcacaccat aaaattcacc attttaaagt ttccaattta gtgggtttta gtatgtttac 780
 agagtcacatg aaccatcacc acagtatcat tgcaggatgt ttttatcatc cctcaaagaa 840
 atccagaccc acaggaggct gaggcaggag aatcgcttga acccggaagg cggagggttc 900

agtgagtc	cg	agatagcgcc	actgcactcc	agcctagtga	cagagcaaga	ctctgtctca	960
aaaaaaaaa		aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	tcgaagggg	1020
ggccccgtac		ccaatcgcc	ctatnatgag	tcgtattaca			1060

<210> 25
 <211> 1057
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (348)
 <223> n equals a,t,g, or c

<400> 25						
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actgtccaga	gccataaatc	agacaaaacc	atacatagca	tgctgaaaaa	cttttgtaat	120
ggaacaccca	acaaatgaca	cctaacctgt	ctgtgatcca	acaagtccga	taacatgctg	180
ctgtatttgt	attctctggg	aatctcagta	ttaataattt	catttcccac	aaattctagc	240
attcatgtaa	ggaaaaacat	ggctaataca	tatcttaaag	gggcaatctt	tcagagcagt	300
ggttttcaaa	gtgtggccgg	acagcattgg	cagcatctta	atctcctnng	gactttgtta	360
aaaatgcaaa	ttctcagccc	caccctagtc	ctactgaatt	gggaaactgg	cgtgggaccc	420
agcagtcttt	gttttaacat	gttctccaag	tgattctgat	gcctgttcaa	acttgggaaa	480
cactttttaga	gcacttgagg	aacctaaaag	atgactgggt	cagcattttg	tgtggttagat	540
aagaaagaaa	ttatcacaaa	aatcagaaa	tgaacagtga	gagaaaaata	ggaccccaga	600
gagtttatac	cttccatttg	ctgtttttaa	agtgtgagcc	tgccaagtca	acaagtatgc	660
ctttagcgca	catgtaaata	gcctgcactt	cctaaatctc	gtgtggcctc	ccatgggttac	720
attcttcaaa	ggtwaactga	gttgagagga	agattcagca	tttaaaagag	aaggggttgaa	780
aaagattgtg	tgtgtgtgtg	tgtgtgtgtt	taattggccc	agggttactt	aaataaatca	840
taaccatttt	gccacattct	gtaactgttt	agctaaggct	aaattaagtt	taccctatgg	900
attttgtttc	atcttttgtt	tcgtgtatat	actgtttgcc	tttttcataa	aaatcttgga	960
tttgttatat	attgttcctg	ttatttttga	catcttttgt	attgtaaata	aattactatt	1020
ttgttttaag	ttaaaaaaaa	aaaaaaaaaa	acwcgta			1057

<210> 26
 <211> 980
 <212> DNA
 <213> Homo sapiens

<400> 26						
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tccagatgct	ggcggatccc	cgctccttcg	actccaacgc	cttcacgctt	ctcctccggg	120
cggcattcca	gagctctgctg	gacgcccagg	cggacgaggc	cgtgttagat	catccagact	180
tgaaacatat	cgacccagtg	gtttttaa	attgtcatgc	agcagctgca	acttacatac	240
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aatTTgacag	agagcgaata	gaactgtttt	gcacggaata	tcagaataat	aagaattccc	360
tagaaatcct	actgggaagt	ataggcagat	ctctccctca	tataacggat	gtttcttggc	420
gcttggaata	tcagataaag	accaatcaac	tctataggat	gtacagacct	gcataatttg	480
tgaccttaag	tgtacagaac	actgattccc	catacctatc	agagattagt	tttagttgca	540
gcatggaaca	attacaggac	ttggtgggga	aacttaaaga	tgcttcgaaa	agcctggaaa	600
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tatcctattt	tgatcttttt	caagtcttct	gaaaggaagt	agacagtatt	acaccctgaa	900
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<210> 27
 <211> 755
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (748)
 <223> n equals a,t,g, or c

<400> 27
 gaattcgggca cgagattgtg cacatgtacc ctaaaactta agatgtaata ataataaaat 60
 aaaataaaaat aaattaaaaa ataaaaataa aaacarattt aatgataggg tacttaatga 120
 aagtwttggg ggctccttgaa tgacgtattt tacactacat atgtacctac ttttctattc 180
 tcctcctcag atgggaaagg tctagataaa ctggcctcta tcccgcagct cttctccaca 240
 atggttaaga acagttcaac acggaggacc agcagtaa atgacctttaaa aagtgtataa 300
 ataactattg cccaaaaataa tcttattaat catagaaaat ggcttctatt cttctgctcc 360
 ttgttctgtc acacagctgt tgctgtaaaa acacttgttt acagggttcta tgtaattttg 420
 actcagttca taatctctcc accctaattt taaaaattat catcagggtg gatgtgctag 480
 tatactaaga aacatctgtt aatattattt attttcttta tttaattctt ttcataagatt 540
 cacttggtttt aaaatatctt aggtttataa tctctttgca aagctcaata aatcatttta 600
 acagctaaaa ataaaaactt aaaaatgaac tccagataaa tatgaagatt caaaactatg 660
 tggaaatctct gccccctct taatactcac caataaattc tacttcctgt cmaaaaaaaa 720
 aaaaaaaaaa aaaaaaaaaa aaaaaanaa aaaaa 755

<210> 28
 <211> 946
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (23)
 <223> n equals a,t,g, or c

<400> 28
 tcgcnactat aggggaactgg tcnctgcagg tccggtcgga attccggggtc gacccacgcg 60
 tccggtaaat gttttatgtg ttcgcctact gateccattc gttgcttcta ttgtaaatat 120
 ttgtcatttg tatttattat ctctgtgttt tccccctaag gcataaaatg gtttactgtg 180
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 tcctcagaag tcgggtagat agcattttcta tcccatccct cacgttattg gaagcatgca 300
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 cattgattga gacatttgca caatctaaaa tgtaagcaaa gtagtcatta aaaatacacc 420
 ctctacttgg gctttatact gcatacaaat ttactcatga gccttccttt gaggaaggat 480
 gtggatctcc aaataaagat ttagtggtta ttttgagctc tgcatcttaa caagatgac 540
 tgaacacctc tcctttgtat caataaatag ccctgttatt ctgaagtga aggaccaagt 600
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 catactcaca caaagggaga aattttaaact cgaaccaagc aaaaggcttc acggaaatag 720
 catggaaaaa caatgcttcc agtggscact tcctaaggag gaacaacccc gtctgatctc 780
 agaattggca ccacgtgagc ttgctaagtg ataatatctg tttctactac ggatttaggc 840
 aacaggacct gtacattgtc acattgcatt atttttcttc aagcgttaat aaaagtttta 900

aataaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gcggcc

946

<210> 29
 <211> 971
 <212> DNA
 <213> Homo sapiens

<400> 29
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 acaaagataa gttcctgatt cggtagactt actgagcacc tgctgtgtgc agggagctga 120
 gctatgggat gggaatggga gtaaacaagg tacttttyac ttttttcttt ttttcttcac 180
 tgctagacgg tgtgggaact tctcactcat tggcttcttt cccacacacc tgaagagcac 240
 tgactgtgtg ccgggcaacta gtgatacaaa agagtgtgac agttgttcag tctgcatttt 300
 cgatcatggg ctacatgccg agtgctgggg cacagagatg aacaagatcg gttccttcac 360
 ttcttcatgc cacaagtgtt tattgagcac ctgtgtgcca ggcctcacag actcccagtt 420
 ggggtgaaga atgggtgact gagtttgatt ctccctgtac cctcggtcgt ctgagctgtg 480
 tgcagacaac atccccccac caccacaagag ggagggtagc tcttccgcca ccaggggcaa 540
 gcacagggtc tgggtggcccc acgccacatg ttagcccccc tggagggggc gccagttgga 600
 gacggggggt ggggtgtccct ggcccactcc cgggtcccctg tgctttacct ccttgccctt 660
 gtgtctcagg tgtgttccct gcctgcttga tgaagtgtgt ctgttcaagc ctttggtggg 720
 atcatgtgtt tgggggcttt taggggaccc agctgcaact gggcactgcc cgtggcctgg 780
 gtaggacatt tcccagcaag ggctggagga gttgccgtgc cttcagcctg aatcgaatgt 840
 cagaaccagc cagcgggtgt tcacctctt ggggataact tgcttagttt ttaataaat 900
 gttcctggtt ggttttcaca gcaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 960
 aaaaaaaaaa g 971

<210> 30
 <211> 1008
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (421)
 <223> n equals a,t,g, or c

<400> 30
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 ttacagatct cagttccatt tggctctagc agcaatgtgg ccacttctgt tgcggttact 180
 ctttcttcac ctttttcttg ccaaaaataa acttatcttt aaatgaaaac taaattattt 240
 cttatatttt ggtcctttgt tatagctgag attgggaatt tttctttctt tcttgaatcc 300
 ttacttccct accctgcctc cccaccaatg gaaatctgtg cttcataagc attttagatt 360
 ccagaaagct ctttaggtta aactacaacc ctctcacctc aaagaatttg tgggccaggg 420
 naagtacgtg acttatgtga agtcttgagg ctaattaatg gtagagctgg agttaggaca 480
 catgtctcac agttcctagt tcgttttgtt ttgatgtgtc tgaaattcag ttttgacatt 540
 aatttttctg gatactactc ccataaaatg ttctttgaaa aatacttgct tctttctagt 600
 ttttctcgcc tggtttaaat attgtcctga gtgtgggaac ccataactg tcttgtgggt 660
 tagaatttag atggaaggat ttggggccct gtctctagta tcataagaca tttaaccttg 720
 ctgctttttt cttctaggtt cactctttga atttcctgga taagagttct ggagatggca 780
 gcttatttga cacatggatt ttcttcagat ttgcacttac tgctagctct gctttttatg 840
 caggagaaaa gccagagtt cactgtgtgt cagaacaact ttctaacaaa catttattaa 900
 tccagcctct gcctttcatt aaatgtaacc ttttgccctc caaatataag aactccatgc 960
 cactcctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1008

<210> 31

<211> 990
 <212> DNA
 <213> Homo sapiens

<400> 31
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 cattggcgcc ccttcctcag atcccctatca tcttgggaaa cagtagccca gaggttcagg 120
 aagatgttaa cttaaagtgt cgggggtgcc cagtctgttc agcatggctg aaatccacac 180
 tccgtattct tccttgaaga aactgttatc tttactcaat ggcttcgtgg ctgtgtctgg 240
 catcatccta gttggcctgg gcattgggtg taaatgtgga ggggcctctc tgacgaatgt 300
 cctcgggctg tcctccgcat acctccttca cgttggcaac ctgtgcctgg tgatgggatg 360
 catcasggta ctgcttggct gtgcccgggtg gtatggagcg actaaagaga gcagaggcac 420
 gytcttgttt gttggagatg tggccttggg acacamcttc gtgaccctga ggaagaatta 480
 cagagggttac aacgagccag acgactattc tacacagtgg aacttggtea tggagaagct 540
 aaagtgtgtg ggggtgaata actacacaga tttttctggc tcttccttcg aaatgacaac 600
 gggccacacy taccocagga gttgctgtaa atccatcgga agtgtgtcct gtgacggacg 660
 cgatgtgtct ccaaacgtca tccaccagaa gggctgtttc cataaactcc taaaaatcac 720
 caagactcag agcttcaccc tgagtgggag ctctctggga gctgcagtga tacagttgcc 780
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 gatgagacac ctggggccat ctggctgctg gagattcagt ctcagtttta tttctctgtg 900
 gcactcactg cttctggagg ggagactgtt aataaaagat ttgggaaaaa aaaaaaaaaa 960
 aaaaaaaaaa aaaaaaaaaa aaaaaactcg 990

<210> 32
 <211> 1131
 <212> DNA
 <213> Homo sapiens

<400> 32
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 ctgccagctt ctcagccctc ctggagcaga tcctctgtgc aagcggccac tccagtgggt 120
 tttccggcct ctgtggcgct ctcttcatca cgtttgggat cctgggggca ctggctctcg 180
 gcccctatgt ggaccggacc aagcacttca ctgaggccac caagattggc ctgtgcctgt 240
 tctctctggc ctgcgtgccc tttgccctgg tgtcccagct gcagggacag acccttgccc 300
 tggctgccac ctgctcgctg ctccgggctgt ttggcttctc ggtggggccc gtggccatgg 360
 agttggcggt cgagtgttcc ttccccgtgg gggagggggc tgccacaggc atgatctttg 420
 tgctggggca ggccgaggga atactcatca tgctggcaat gacggcactg actgtgcgac 480
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 ctctgtctgt gatggccggc ctgtgcacct tcttcagctg catcctggcg gtcttcttcc 600
 acaccccata ccggcgccctg caggccgagt ctggggagcc ccctccacc cgtaacgcgc 660
 tgggcggcgc agactcaggg ccgggtgtgg accgagggg agcaggaagg gctggggctc 720
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 gagggcccgg gagccccac ccagcctgcc accgagcgac tccccgtgcg caaggcccag 840
 cagccaccga cgcgccctcc cgccccggca gactcgcagg cagggtccaa gcgtccaggt 900
 ttattgaccc ggctgggtct cactcctcct tctcctcccc gtgggtgatc acgtagctga 960
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 cctgccccgg ggggcgaaag ggctccttgc gggtccggg agcgaattac aagcgcgcac 1080
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<210> 33
 <211> 1293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1271)

<223> n equals a,t,g, or c

<400> 33

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gctcctatat	ccctccctgt	aagagagaaa	atcagaagaa	tttggaaagt	gtcatgaatt	180
ggcaacagta	ctggaaagat	gagattgggt	cccagccatt	tacttgctat	tttaatcaac	240
atcaaagacc	agatgatgtg	cttctgcac	gcactcatga	tgagattgtc	ctcctgcatt	300
gcttcctctg	gcccttggtg	acatttgtgg	tgggcgttct	cattgtgggtc	ctgaccatct	360
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ggaaggaggc	ttgtagaaag	caaagtacag	aagctgtact	catcggcacg	cgtccacctg	480
cggaacctgt	gtttcctggc	gcaggagatg	gacagggcca	cgacagggtc	ctgagaggct	540
catccctcag	tggcaacaga	aacaggcaca	actggaagac	ttggaacctc	aaagcttgta	600
ttccatctgc	tgtagcaatg	gctaaagggt	caagatctta	gctgtatgga	gtaactattt	660
cagaaaaccc	tataagaagt	tcattttctt	tcaaaaagtaa	cagtatatatta	tttgtacagt	720
gtagtatata	aaccattatg	atztatgcta	cttaaaaata	ttaaaataga	gtgggtctgtg	780
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ctgctgaagt	ctgaacctta	ctgtgtaacc	ctcagtttcc	actattaaag	agtatctttt	960
gacgtctgct	tggaaaatga	atagtatact	ggtaactcag	tctccagtca	cctctgtgtc	1020
tcttaagcaa	gagattctaa	aagattggga	aaacatatcc	tccaamacct	gcctttgcct	1080
aaccattatt	tttcaccaga	ttacttctta	agagagggag	gtgattctga	agaaggcttc	1140
tatctcaaaa	agcactgggc	ttccttatte	atctgttctt	gttggttttg	acggaggttaa	1200
aaaagtttgt	gtgcaatata	atataaatga	tgtgaaggac	actcttaaaa	aaaaaaaaaa	1260
aaaaaaaaaat	ngctgcggcc	gacaagggaa	ttc			1293

<210> 34

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 34

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tcttaggaaa	atcactgttt	agtcttctgg	aggctatgat	ttttgcctta	ctcccaaagc	120
cacggaagaa	cgttgctggt	gaaatagtcc	tcatcacagg	tgctggaagt	ggactcggaa	180
ggctcttagc	cttgcagttt	gcccggctgg	gatctgttct	tggtctctgg	gatatcaata	240
aggaggggaa	tgaggaaaca	tgtaagatgg	ctcgggaagc	tgagaccaca	agagtgcacg	300
cctatacctg	cgattgcagc	caaaaggaag	gagtgtatag	agtagccgac	caggttaaaa	360
aagaagtcgg	cgatgtttcc	atcctaataca	acaatgccgg	aatcgtaaca	ggcaaaaagt	420
tccttgactg	tccagatgag	cttatggaaa	agtcatttga	tgtgaatttc	aaagcacatt	480
tatggactta	taaagccttt	ctacctgcta	tgattgctaa	tgaccatgga	catttggttt	540
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atgatgtttc	ttaaaaaggt	aattacatca	gcttctatta	cttccctaac	atgccagtct	900
acagttttac	tcccaaatac	caccaggaag	aaagccactt	twaaaaatac	ctgataaatt	960
aaaattcatt	aatttaattc	taaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaa	1014

<210> 35
 <211> 1222
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (52)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (78)
 <223> n equals a,t,g, or c

<400> 35						
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ggtcgaccga	cgcgctccng	aatttacaat	ttctgaccat	ccacaacctt	ttgatccact	120
gttaaagaac	tgcataggtg	atttctctaa	aaactttggg	gacccagatt	tgaatgtgag	180
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tctattggat	actgttcttc	cacatcttta	caatgaaaca	aaagttagaa	aggagcttat	300
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tgaattttct	aatcatgttg	aagatggttt	gaaggaccat	tatgatatta	agatgctgac	480
atttttaatg	ttgggtgagc	tgtctaccct	ttgtccaagt	gcagtactgc	agaggttgga	540
ccgacttggt	gagccattac	gtgcaacatg	tacaactaag	gtaaaggcaa	actcagtaaa	600
gcaggagttt	gaaaaacaag	atgaattaaa	gcgatctgcc	atgagagcag	tagcagcact	660
actaaccatt	ccagaagcag	agaagagtcc	actgatgagt	gaattccagt	cacagatcag	720
ttctaaccct	gagctggcgg	ctatctttga	aagtatccag	aaagattcat	catctactaa	780
cttggaatca	atggacacta	gttagatgtt	tgttcaccat	ggggaccatt	acatatgacc	840
atacaatgca	ctgaattgac	aggttaatca	taagacatgg	aaagagaagt	gtctaaaagc	900
ttcaaaatgt	tccacttttt	tttcttctat	ggagactgtt	tgtttggctt	tcttccattg	960
ttgtttttgt	agcattttat	tcagaaatgt	gtatttccat	aatccagagg	ttgtaaaaac	1020
actagtgttt	tagtggttac	agcaacattt	gaaatggaaa	ctaaaagtta	ggatttttatg	1080
gagtatggag	atagggtcca	gtatctattt	accctgtaat	gttttaggatt	aaaatgttaa	1140
aattttgtga	ccatgaattt	ctttctttta	taaattttct	catttataaaa	tcaaaaaaaaa	1200

aaaaaaaaaa aaaaaaactc ga

1222

<210> 36
<211> 901
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (895)
<223> n equals a,t,g, or c

<400> 36
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acatagggtca cctcattcat gaaggcctac agaagaacac ttccctcgtgg gtactgtata 180
acatggcttc attttacttg agaattaaga atgagccata tcaggtagta gaatgtgcca 240
tgcgagcact tcatttctct tccaggcaca ataaagacat tgccctggtc aacctggcaa 300
acgttctaca cagagcacac ttctctgctg atgctgctgt cgtgggtccat gcagctctgg 360
atgacagtga cttcttcacc agctattaca ctttggggaa tatatatgca atgcttgggg 420
aatataacca ctcaagtgtc tgttatgacc acgctttgca ggccagacct gggtttgagc 480
aagctataaa gaggaagcat gctgtcctat gtcagcaaaa actggagcag aaattggagg 540
ctcagcatag atctctccag cgaacactga atgagttaaa agagtatcaa aagcagcatg 600
accactacct gagaccagga aatcctagaa aaacataaac tgattcagga ggagcaaadc 660
ttaagaaata tcattcatga gactcatagt gcaaaagarg cacaattagg aaatcatcag 720
atgtgccgac tgggtcaacca gcagcatagt ttacattgcc agtgggamca gcctgtwgcg 780
tatcatcgtg gagatatctt tgaaaatgtg gactatgttc argtcttttt cttggtccar 840
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a 901

<210> 37
<211> 954
<212> DNA
<213> Homo sapiens

<400> 37
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ctcctctccc cggtggaggc ccagcaggcc acggagcacc gcctgaagcc gtggctgggtg 180
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ctctggtggt ccaaggccag ggctgaggac gaggaggaga ccacgttcag aatggagtcc 300
aacctatacc aggaccagag tgaagacaag agagagaaga aagaggccaa ggagaaagaa 360
gagaagagga agaaggagaa aaagacagca aaggaaggag agagcaactt ggactggat 420
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gaagaaggct tggaaaccac cccacctccc tcattggggg ctctctgggc aaacatggtt 660
ttcatgcacc cctcttcctg agcttgggtc ctgacctggtg attcttctta tactcggaga 720
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ccccactgcc tgatttcttt tctctctgcc tgatgtctac tgaacagaac ttcccctctc 840
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<210> 38
<211> 890
<212> DNA

<213> Homo sapiens

<400> 38

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cggtttggcc	aggtggatac	tgatgaaaat	attctgctgg	cgagtctcca	cagtcaccag	180
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aactggcggt	ggtcagagcc	tttcagtgtg	gaccatgccg	ggacttttat	tagaacaatt	300
cagtacaggg	gtcgaactgc	ttctctcatc	atcaaggttc	agcaactcaa	tggagtacaa	360
aaacagatta	tcattctgtg	aagacagatc	atctgtagtt	acttgtctca	aagcatagaa	420
ctaaaagtgc	ttcagcatta	cattgggtcaa	gatggacaag	ctgtagttcg	ggaacatttt	480
gactgcctca	cagccaaaca	gaaattgcct	tcgtacatac	tagaaaacaa	tgaactgacg	540
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aaagcccctg	agtacagcat	tgctattcag	gtgccatctt	caaacagttc	cattattttat	660
gtctgggtgca	cagttttgac	tttagaacc	aactctcaag	tgcaacaacg	aatgattgtg	720
ttcagccctc	tttttatcat	gaggagtcac	cttcagacc	ccattatcat	acatttggag	780
aaaaggagtc	tgggattgag	tgaaacacaa	attattccag	gaaaagggca	ggaaaaacca	840
ctgcaaaaca	tagaacctga	ccttgtacat	cacctgacat	tccaagcaag		890

<210> 39

<211> 1070

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1016)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1026)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1043)

<223> n equals a,t,g, or c

<400> 39

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atggctgtca	tgtttaccct	ctttgggtctt	aacttattat	tcaagatcaa	accagaagat	180
gccatggact	ttggcatctc	ccttctcttc	tatggcctct	actatggagt	tctggaacgg	240
gactttgcag	aaatgtgtgc	agactacatg	gcatctacca	targgttcta	sagcgagtcg	300
ggcatgccta	ccaaacatct	ttcagacagt	ktgtgtgctk	tktgtgggca	gcagatcttt	360
gtggagctca	tgaagagggg	atcattgaga	acacgtatag	gctgtcctgc	aatcatgtct	420
tccacgagtt	ctgcattccgt	ggctgggtgca	tcgtgggaaa	gaagcaaacg	tgtccctact	480
gcaaagagaa	ggtagacctc	aagaggatgt	tcagcaatcc	ctgggagagg	cctcacgtca	540
tgtatgggca	actgctggac	tggtctcgat	acttggtagc	ctggcagcct	gtcatcattg	600
gtgtagtcca	aggcatcaac	tacatcctgg	gcctggaata	gtgatgaaga	gcatcagtg	660
aaaaccacc	ccacacgcca	tggacctcag	ggcactctcc	tccctgcccc	caaagacctc	720
ctgggtggga	aagactcaaa	ggggcgcttg	ggccactcag	gacccctccg	gctgtgtcgg	780
actggggagg	gatatgatgg	agagccagcc	agtggggctg	kcagcagtg	ggggcttttt	840
aaaagaaaac	tattttgatg	aatatattta	aaaaaccttt	ttttattgtg	gagcatagga	900
attgcccccc	tccaggcttc	accctccctg	cctaagcagg	ttggggggcag	agccatgaca	960
tttttggttt	aaaggagcct	tctcatctct	ggccgagaa	actgctgggc	tcccangtag	1020
ctgaangcct	cagcccaycc	atncccttct	tcctgtgtg	gggctcaagc		1070

<210> 40
 <211> 772
 <212> DNA
 <213> Homo sapiens

<400> 40
 gcaaccagta tgaaaaggct ttctcatcca agtatctgca gaactgggtct cccactaagc 60
 caacaaaaga gagcatctct tctcatgaag gctacactca aattattgcc aacgatcgtg 120
 gtcattctact gccttctgtg ccccggtcca aggcaaatcc ttgggggtcc ttcattgggca 180
 cctggcaaat gcctctgaag atacccctcg ctcggtgac cctgacctcc cgtacaactg 240
 ctgggtgctgc ctccctcacc aaatggatac agaaaaatcc tgatttactc caaggcctcc 300
 aatgggctgt gtcctgaaat cttaggcaag ccccatgatc cagacagtca gaagaaactc 360
 agaaagaagt ctatcacaaa gactgtacaa caagcacgaa gtccaaccat attccaagct 420
 cccagctgc caacctcaat tcccagatg aactccaaag ctcacamccc tctgcaggtc 480
 atactccagg tcccctaaaga ccagccaaat yctaagagcc cacctggrag tccacgtatg 540
 ctagaactct gggcagggcc taatctagct gaggtccaga aatacaaac tgggaacttca 600
 tatggaccaa gtggccacac actgaaaaac ccgtatagcg actcagtga ataaacaaga 660
 gccccagtc agaactgtga aacagggaaa ttttggggtg gsagtaaaag saaatttga 720
 aaataaactt tttttgttg aatcttttaa aaaaaaaaaa aaaaaactcg ta 772

<210> 41
 <211> 787
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (444)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (506)
 <223> n equals a,t,g, or c

<400> 41
 ggtgggtgct gccacccaga ggctctctgt ggggtccctag tggggaaaat gactcctccc 60
 cacctacagt cttggctcagc agccccactg agctgtgttc atgttgactt ccagctccaa 120
 ccttatctcc tgggtcctgc cagagttgtc ctctctgttg tgggttttct tgttctggaa 180
 aaggcagtgt ggtgactggg cgggccggaa gaccaggtcc aggtctcag gattgtcac 240
 taatttccca ctccattccc ctccactccg ttacagctcc tttttggaat gaggggacga 300
 tgctcaggaa gagaggaggt attggaaagg aaagagaccc cttcatcttc ctttttagcc 360
 ctgctcaacc tggctggcta tttctgggag ggccctttag agttgctgtg ggctctgccc 420
 tatgtctgtg cagggcatag gcantgcaca sacagttgcc acaccagggt tggamaaatc 480
 cccatgggtg ccttgtctgc tgtcanttgc ataggaaatc tgataacctt agattttttt 540
 ttatttttta ttttgagaca gagtcttgct ctgtcccca agttggagtg caatggcatg 600
 atcttggtc actgctacct ccaatcctgg atttgagcta ctcaggaggc tgaggtcagg 660
 ggaatcgctg gaacgcggga ggcgagctt gcagtgagcc gagatcatgt cactgccctc 720
 cagcctgggc gacacagtga gactccatct caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
 actcgta 787

<210> 42
 <211> 652
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (392)
 <223> n equals a,t,g, or c

<400> 42
 aattcggcac agggggggcca ccacaccccg cctgtacatg ctgttttgca tcttgcttta 60
 tacgttgggg agtgccagat gtcaccatct ttcgttcttc ctctggggct ggtcaaatacc 120
 ccctgagaaa actcctcttg cctcctggcg gggggtgaag gccaggctgc cagggccagg 180
 ctgccagctt ctgggagctg caggggcaga ggcagggagc tgtcaggcat tcagccagca 240
 agacgcactc agtaccact tgggggttcag aatccccctc cctcatcttc agatgggcca 300
 gatgtcccca aagccagcgg cccctttctg tttcaccttg tctacagaat aaacccccag 360
 tcaactggggg tgggggaaga gtaaggggag angggaaacg agatttggag gtctagctgc 420
 tgctgaaaca gccctcagtt cgtctttatt ttgccttctg caaaactggc ctggtgttgc 480
 cagctccttt tgaggacttt gctamcgggt ctcagcatcc ctcaattgct ggcttaggat 540
 tcatgggttt ttaggggttg ggtgggatta gcatgtccag ctgctttcca gtttccaaag 600
 ttctgtccct atcatattgc ctctgattta aaaaaaaaaa aaaaaaactc ga 652

<210> 43
 <211> 1520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (799)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (928)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (937)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (945)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (974)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1019)
 <223> n equals a,t,g, or c

<400> 43
 gaattcggca cgagtcaccc ttttcagtga gttagtctgt acatttctta cactgtgagg 60
 gggagtggta attactttac agggaggtat ggggccatgg tgtttgactc ttctttcaac 120
 cacttctggg ttttttagtg aaaacctcta tctaactgt atactttcat ttctgttgtc 180

t	240
a	300
a	360
c	420
t.	480
a	540
a	600
a	660
t	720
g	780
g	840
c	900
c	960
a	1020
t	1080
c	1140
t	1200
t	1260
a	1320
c	1380
g	1440
a	1500
	1520

g	60
t	120
t	180
a	240
t	300
t	360
a	420
c	480
c	540
g	600
g	660
a	720
c	780
	796

c	60
c	120
c	180
c	240
c	300
c	360

aataccatt	aaaaaactat	ggaattttac	ccatttctctg	ggcacttttc	aaacaccact	420
ctgttttctc	taagagtgtg	ctggcttcat	atatctcata	caatctctgt	ctttttgtga	480
ctggctcatt	ttattttgca	caatatcatc	aagctttata	gttggttagaa	tattttctgc	540
tttttaata	ctgggtgata	tttaagtatt	ttgtatttta	gattatatct	actgagtaat	600
ttggkgacaa	atttgcackg	cttttaccta	ttggctttca	gtaacaatgc	tgcaataatk	660
acmggtatgc	aaatgacctg	tatgatcata	tatgtgtaag	tttatatatg	tgccgcattc	720
tgttctacta	gtgtacgttt	ttacctttgt	actcatacca	aattgttaca	attctgtagc	780
tctgtaatgt	gtttcaaaat	cagaaactgt	aatgccttca	aaattgttta	ttttattgca	840
gatttttggg	tactttatta	tctcttaaga	ctttatatac	tttgggggtt	gctgtttcta	900
tttcttcaaa	aatgcatgag	aaattkgamc	aacattgcat	taaatctgta	aattacattg	960
agcaggatgg	acatcttcac	aagattaatt	attttaacat	ttcaacaagc	atgctcaaga	1020
gtgtattgtt	tttaatttcta	tgtattttgtg	aatttttcag	ttttttcttc	ttactgttct	1080
atactcattt	cattttgggtc	atataaagta	atccataaaa	atttagtttt	aaataatttg	1140
ttaagacttc	ttttttgggtt	taccagggtt	tctatcaagg	agaatttcgt	atgagggtatt	1200
tagaaggctg	tttatcatta	tgttgttgag	tgttctttat	gcctctgtta	tttaataattg	1260
ttttatactc	ccttcaagtc	cgttttcttt	accaatattt	tgtcttttta	aaatctttat	1320
tacagaaagt	gaagcattaa	aatattctac	tataaaaaaa	aaaaaaaaaa	aaactcga	1378

<210> 46
 <211> 597
 <212> DNA
 <213> Homo sapiens

<400> 46						
tggcggccgc	tctagaacta	gtggatcccc	cgggctgcag	gaattcggca	cgagcccggc	60
cgccatcttg	ggatcatgat	gagcctcgcc	ctgtgcctgg	tcccgcctgt	gaggggaagga	120
ctattagaaa	tgaattgatg	tgttccttaa	aggatgggca	ggaaaacaga	tcctgtttgtg	180
gatattttat	tgaacgggwt	tacagatttg	aaatgaagtc	acaaagtggg	cattaccaat	240
gagaggaaaa	cagacgagaa	aatcttgatg	gcttcacaag	acatgcaaca	aacaaaatgg	300
aatactgtga	tgacatgagg	cagccaagct	ggggaggaga	taaccacggg	gcagagggtc	360
aggattctgg	ccctgctgcc	taaactgtgc	gttcataacc	aatcattttc	atatttctaa	420
ccctcaaaac	aaagctgttg	taatatctga	tctctacggg	tccttctggg	cccaacattc	480
tccatatatc	cagccacact	catttttaat	atttagttcc	cagatctgta	ctgtgacctt	540
tctacactgt	agaataacat	tactcatttt	gttcaaaaaa	aaaaaaaaaa	aactcga	597

<210> 47
 <211> 600
 <212> DNA
 <213> Homo sapiens

<400> 47						
agaactagtg	atcccccggg	ctgcaggaat	tccggcacgag	gacctctgac	catcaggctt	60
ctgggaacca	taggctatac	ccacaccaca	gagcatcgat	aaactatttt	gatgtttctc	120
ttgctttcag	aaagacagct	tccaagattc	aagcccagggt	ggtgccgggtc	tttttttgga	180
ggtgctaatt	aataatttaa	cttcatctaa	tgataatttt	atcttggtgc	agtttggtga	240
tttatgatta	tctcatccat	ccggtgccta	gtgttgggca	tagagtgtgt	ctctgctgtc	300
tgccagaatc	tgctactggg	agaattttcc	cactggggaga	gggaccagg	aaatggcatg	360
gtcttagaag	gtctcctgaa	cacatttcc	tgggagggtc	cctgttatct	tcaagggtga	420
tggctttctg	caatctctca	agggctgttt	tgccctggaaa	caggacgatg	gagacagaga	480
cctatcagct	gtgggcatct	caatatcagc	ggaaatgggt	atcaagaagt	ctcagccagg	540
tgcagtgtt	gcgcctgtaa	tcccaacact	ttgggagggt	gaggtaggta	gatcactcga	600

<210> 48
 <211> 911
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<400> 48
 cccgcnggta aagggaacaa aatcgtggag cgccaccggs ggtggcggcc rcgtctagaa 60
 ctagtggatc ccccgggctg caggaattcg gcacgagcac ctatccacct tggatcgtag 120
 cgtgatatgg tctaaatcta tactgaatgc gcgttgcaag atatgtcgaa agaaaggcga 180
 tgctgaaaac atggttcttt gtgatggctg tgataggggt catcataacct actgtgttcg 240
 accaaagctc aagactgtgc ctgaaggaga ctgggttttgt ccagaatgtc gaccaaagca 300
 acgttctaga agactctcct ctagacagag accatccttg gaaagtgatg aagatgtgga 360
 agacagtatg ggaggtgagg atgatgaagt tgatggcgat gaagaagaag gtcaaagtga 420
 ggaggaagag tatgaggtag aacaagrtga agatgactct cmagaagagg amgaagtcag 480
 gtmagtccata amatgcaata aaatgagtca gtaagtctta gttagacaat ttctccacta 540
 ttcaaataca aatgggaatag ttagggtctg taacttagtt taaaactaat atataggctg 600
 gacacggtag cttatgccta taatcccagc actttgggag gctgaggcag gcagatcacc 660
 tgagggtcagg agttcgagat cagcctggcc aacatgggtga aaccccgctc ctactaaaaa 720
 ttgaaaaatt agccaagggtg ttggtggaca tctgtaatcc cagctactcg ggaggctgag 780
 gtagggagagc tgcttgaacc cgggagcgga ggttgacgtg aggtaacgga tcacgcmatt 840
 gcactycagt ctgggtgaca agagcgagac tccatctcaa aaaaaaaaaa aaaaaaaaaa 900
 aaaaaactcg a 911

<210> 49
 <211> 1863
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (172)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1820)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1826)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1833)
 <223> n equals a,t,g, or c

<400> 49
 gaattcggca cgaggatgat atggacatat gtagcccagt ggcattgtac tttctgctga 60
 cagctgcaca cattacagct gtctccaaac ccacagtgat gcttagggaa agaccctgct 120
 caggaccag caggtcagca ccccagagca gactgatagg tccgtgggac cnatgttaga 180
 gcagaaaatt tgggctcagc acattttact gttagtagag agccaggaaa cgttttctgg 240
 gttggggatt ttgtgggatt ttttaatttt tttagtaggt tttgtttaac ctctgtgcag 300
 tttgtatgaa tgaattgcta tacatttata aggagccagg gtctggaggg ttgctatcac 360
 tttgtccagc ccaaatacct tcctgggcaa ctccatccat ttgtttgcag ttgcctctac 420
 tagctgatgg cagtatgctg gaaagaggtt gtactataaa gagagttctt tccttctact 480

ccagagttgt	tgtgtagctt	tgccattgaa	ccgatcaatt	tttaaactct	ttaaagaagc	540
agcctggcca	acatagtga	gccccgtctc	tactaaaaat	acaaaaaatt	agctgggcat	600
ggtggtgggc	gcctgtagtc	ccggctgctt	gagaggctca	ggcaggagaa	tcgcttgaac	660
ctgggagtg	aggttgcggt	gaqccgagat	tgaccattg	tattccaccc	cggttgacag	720
tgcaagactc	catctcaaaa	aaaaaaaaaa	aatttggcat	catttacaat	ttcatagaat	780
tactgtgaag	gcctttctag	ttgagatggt	ggggtatttg	ggattcta	tgtaacccc	840
agaagaaggt	aatttagctt	gtatttattt	aaaaccatt	tagcctttta	cttatatctg	900
gtagaattcc	agtgatcatc	ctaataaggt	atatttcaga	ataatttttt	tttccttcag	960
aataacttag	aatcagatgc	tataagggct	cctaggagca	gtgtgaaatt	tccgtaaaga	1020
taaatttgaa	tgttgtaacc	aagtttatat	taaaccaaga	ggccatttcc	aatatgattt	1080
tttgtttctt	tttaacttgt	taagtcccta	agagattaca	tgctagggct	tgagtcattt	1140
ctattgtaga	taatgatggc	ccacacagtc	accttcaact	atccacataa	gctaggcctt	1200
ccgcttttgc	cacggacagt	gtgaccaaga	tatttccaga	gtaaataacc	caccacaacc	1260
ttggtaatc	ctcttttctt	cttaagctcc	aggaagcgaa	agcagaagga	ctcttttccag	1320
actgccctct	gtagcctaca	ttgcagcttt	ccaaaacagg	cagctagcac	tgggaaagcc	1380
catgtggtga	ccccatattt	ttctgaggtt	cttcttttcc	atggtgttac	tttattatca	1440
gaaagttaa	tcagaaaaa	ggtcttgccc	ttagcagaca	agaaccacac	cagtttcttg	1500
taaaggtaac	ggatacattg	ggattcagga	gtgacacaga	ggccagccc	cagaacttgt	1560
aaggattttg	tttgaacact	gagcagatgc	ctcctccctg	ccacccatca	cactagttag	1620
ggctggccat	gaattctatg	ccagagtcac	tcctgcagtc	tgctagggat	gggccttctt	1680
atcccactct	cgcacacatc	ccagtctagt	ctttgccttc	acagagtcct	ccttgacacc	1740
cctgacttaa	tgatagttgc	tgttttggag	tagrattgat	caggtttaag	tcacctgct	1800
caggttgggg	catagtgggn	tcatgntctg	tantttcagg	catttgggga	agccaaagtg	1860
gaa						1863

<210> 50
 <211> 810
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (688)
 <223> n equals a,t,g, or c

<400> 50						
gatcctccac	atccttccat	ggctctgaag	aataaattca	gttgtttatg	gatcttgggt	60
ctgtgtttgg	tagccactac	atcttccaaa	atcccatcca	tcactgacct	acactttata	120
gacaaactgc	tagaagccca	caacgaatgg	cgtggcaaag	tcaaccctcc	cgcgcccgac	180
atgaaataca	tgatttggga	taaaggttta	gcaaagatgg	ctaaagcatg	gggcaaacca	240
gtgcaaattt	gaacataatg	actgtttgga	taaatcatat	aaatgctatg	cagctttkga	300
awawgttgga	gaaaatatct	ggttaggtgg	aataaagtca	ttcacaccaa	gacatgccat	360
tacggcttgg	tataatgaaa	cccaatttta	tgattttgat	agtctatcat	gctccagagt	420
ctgtggccat	tatacacagt	tagtttgggc	caattcatct	tatgtcggtk	gtgcarttgc	480
aatgtgtcct	aaccttgggg	gagcttcaac	tgcaatatct	gtatgcaact	acggacctgc	540
aggaaaattt	gcaaatatgc	ctccttacgt	aagaggagaa	tcttgctctc	tctgctcaaa	600
agaagagaaa	tgtgtaaaga	acctctgcaa	aaatccattt	ctgaagccaa	cggggagagc	660
acctcagcag	acagccttta	atccattnca	gcttaggttt	tcttcttctg	agaatctttt	720
aatgtcattt	atatacaaaa	gaaattctca	aatgttaaaa	taaaggaata	gtttattgct	780
taaaaaaaaa	aaaaaaaaaa	aaaaactcga				810

<210> 51
 <211> 956
 <212> DNA
 <213> Homo sapiens

<400> 51

aattcggcac	gagctaaagc	atggttttcca	agatgctaca	ggcagcgagc	ctctctctag	60
tgacctgggt	agttttgcacg	gttttggttg	aaaccacagt	cccccatct	ctgccagaac	120
cccccatgtg	gccactgtcc	tcagacagct	cctggagctt	gtggataagc	actggaatgg	180
ctccggctcc	ctcctcctca	acaagaagtt	tctcggtcct	gcccagagatt	tgcttctgtc	240
tttggttagtc	ccggstcctt	ctcagccgag	gtgttgctca	catcctgaag	acacgatgaa	300
agcattctgc	aggagggagc	ttgaactgaa	ggaggctgcg	cactgggtccc	taatgacatg	360
gaaagtttga	agcaaaaact	ggtcagagtg	ctggaggaaa	acctcatttt	gtcagaaaaa	420
attcaacagt	tggaggaagg	tgctgccatc	tcaattgtga	gtgggcaaca	gtcacatact	480
tatgatgatc	ttctgcacaa	aaaccaacag	ctgaccatgc	aggtggcttg	cctgaaccag	540
gagcttgccc	agctgaaaaa	gctggagaag	acagttgcca	ttctccatga	aagtcagaga	600
tccctgggtg	taactaatga	gtatctgtcg	cagcagctga	ataaggagcc	aaaaggttat	660
tccgggaaag	cgctcctgcc	tcctgagaag	gtcatcatc	tggggagatc	atcgcccttt	720
gggaaaagca	cgttgtcttc	ctcctcacca	gtggcacatg	agactgggtca	gtatctaata	780
cagagcgtct	tggatgctgc	cccagagcct	ggcttataga	gctagcatgg	aactcacacc	840
acagcttccc	tgggtccacag	aggstctcac	cgccattgca	ccagtatggt	ggtatgtact	900
cacaaagatt	aagaaagaaa	tgtattctga	ytaaaaaaaaa	aaaaaaaaaaa	actcga	956

<210> 52
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 52	
gaccatatgt	tgaggaagt
ttattgttct	caattttgga
actggttgat	tctgggaggc
tattctacaa	aaatgattaa
caaatttggt	gtttcatcac
caaaactggac	tttttgtggc
atcaagtatg	aaaatctgca
atctgctaca	gtctcttttt
agataaaaaac	atacttgtat
ataaaagca	ataaatcagt
tactaaattt	gcctttaatc
caaattgcaat	gtttacaaga
atattggatat	gtacatgtcc
cccactgcta	ctttagctgt
agttggtaat	gtaaaaaaaa

<210> 53
 <211> 841
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (836)
 <223> n equals a,t,g, or c

<400> 53	
gaagggtcgg	ggagatat
gctcatagtc	ctaaggatct
agggtggttc	ctgaaartgc
agaagtcatg	gaggtctggc
ctgcttcctc	accgccatca
cctcttcctc	cctagtcact
tggagttccc	aaacgtcact
ccgctccccc	tccccccaat
accaactatt	tctggctgga
tagacacagc	ttttgcaatg
ttcttcatcc	ctgttaaagg
aatatgggtg	gacttagaga
gaagctcggg	cctggaaaag
tgctaagaaa	aaaaaaaaaa
ccgttagaca	tcgctgaaac
ccagcaccct	gccggtggca
ctgagcccca	acttatcagc
atggcttagt	gatcgcggtg
cagcaggcac	atgggtaact
attctcgagc	ctccagcagg
cagaggaccc	accggccaaa
cactctgacc	tcacctttta
cacatccgtc	tactaccag
aagtgtctgt	gtaacctggt
aagaaatgtc	cttgaattac
gataaacaat	agaaggtagt
aaacaatgct	gctttggttg
gtcttggtac	ccaatngtcc

t

<210> 54
 <211> 634
 <212> DNA
 <213> Homo sapiens

<400> 54
 gattaatccc ctcaaccttc tttctgagtt cccatttcac agatgggtaa aactgaggtt 60
 tactcctcgt ctagcttcac tgaatggcag agcccatagc ttgtctttgc ctaatctgct 120
 gcataatcat ttcagcaaca actcaaatgc cttttgaggg ttcttgcttc tgtttggtgc 180
 cttgtaattt tcaaccatat tttagacact ttaggcctaa tgatctaagg catatggttt 240
 ttacccatgg tctgtgggcc cttgagaagc tgagtccctc gaaagaaaat cagaatgttg 300
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 attcccccaa tttttaactt ctgaaaaatt tcagacaagt tattggaata gggtagtgag 480
 tatctatgaa cttttcatat aggtttactt taaaaaaaaa acaagagaca gggctcttgct 540
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<210> 55
 <211> 863
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (298)
 <223> n equals a,t,g, or c

<400> 55
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 ctgcctccct gtctcgctcc gtggacattt ctgggaggtc aggccgtggc cacctggccc 180
 cctgttcagg tctgaggtc ccacctgctt aggttcggga agctcaggag tgaggccatg 240
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 agtccttttc cttcttgtaa ctgagaagaa cttgccttga gccacgtcaa gtcccgtccg 360
 tcgcagccac tgcccacaag cgtgagtctg ctgtgagcca gcggtccat ggcagggcat 420
 cccagcgcca ttctgcctt cacacacact tgctgcctt tccctgtgct gggggctgtg 480
 cargtctgcc tcggtgtgga cttttctctt aggaaagagc cccaggtcgg ccgagcacgg 540
 tggctcatgc ctgtaatccc agcacttttg gaggtgagg cgggcagatc acgaggccaa 600
 gagatcaaga caatcctggc caacatggtg aaatcccgtc tctacttttt aagtatttta 660
 tacttaaaat ttttgatatt tatacaaaaa tttagcgggtc tgggtggcaga tgcctgtagt 720
 cccagctact cgggaggctg aggcaggaaa atcacttgaa cctgagaggc ggagattgca 780
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 aaaaaaaaaa aaaaaaactc gta 863

<210> 56
 <211> 712
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE

<222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (44)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (56)
 <223> n equals a,t,g, or c

<220>
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 <222> (128)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (625)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (692)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (699)
 <223> n equals a,t,g, or c

<400> 56
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 caccgcgntg gcggccgctc tagaactagt ggatcccccg ggctgcagga ttcggcacga 180
 ggtttcctgt cagtgtctatt gagattttat tttattaatg tctgcactta gttttacttc 240
 ctactttcta cttttattga gagttaaac tggtgaagtc tcaggttcaa ttcctcaccc 300
 tgagcaacct aatgttttat gtcttgttct tctacattt ggttattgaa actgaagttt 360
 taggttacca gatttgatag aagcacataa gactacttac tgcttttagtc tcaattatta 420
 attgagaaat tatcaattaa caataaggat ttctcttatt tttccccaag ataagttata 480
 tatttaaagt gtgttttata gtagaaagg tttagaatat ttgggttgct acattaattg 540
 aaatggcagc tgaagatgtg atttccagcc agggatttat taaaaaaaaa aaaaaaaaaac 600
 tcgagggggg gccgtaccca atcgncctat agtgagtcgt atacaatcac gggcgtcgtt 660
 acacgtcggg ctggaaacct gcgtaccact ancgctgcnc acacccttc gc 712

<210> 57
 <211> 925
 <212> DNA
 <213> Homo sapiens

<400> 57
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 ttccgttcat gctgaattat cttaggtcaa agaggaaatc atctttctgc ctccaacctt 180
 cttacttgcc tctaattccc tttcttgact cttccaagtc aggattctca ccaaggaagc 240
 tatctgcctt ctttggaat gttgggctta tgaagacttg gagataatgg gggttcagtga 300

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gttacaagtt	aggttgggat	tctaatacata	tttatgatas	tcacagatta	aattgcactt	420
tgtctctgcc	ccagtctttg	attccctttt	ggccagcagt	tttttaggtct	gtcagtactg	480
cactgcarga	atggcagatt	ttgggatctc	tgctggccag	tttgtggcag	tggctctggga	540
taagtcatcc	ccagtggagg	ctctgaaaagg	tctggtggat	aagcttcaag	cgtaaaccgg	600
caatgagggc	cgctgtgtct	tggaaaacat	caagcagctg	ttgcaatgta	agtaccacc	660
cacgttgtct	ttatgaggct	ggaggggttt	ccatgggagt	gttgcatctt	tgtgggttct	720
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aaaaaaaaaa	aaaaaaaaaa	ctcga				925

<210> 58
 <211> 601
 <212> DNA
 <213> Homo sapiens

<400> 58						
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gatgaccacc	gccttgtctt	ttatggtaat	cactgttctt	tgggttttat	tactgcattt	180
attggctaata	atatgcatcc	ctagaaaatg	tagttttgct	tgcttttata	taaatggaat	240
attactgcat	gcagtctttt	gattttgtgat	tgttttgctc	taaggcttgt	aagggtcatc	300
catgttttgc	atatagtttg	tttattgtca	ttgccataga	gtaaatcatt	gtatgaatat	360
actgcagttt	atttactggt	gacatatgtt	tcagttgttt	ttaactacta	ggaaatgcta	420
ctctgtacat	tcttgtatat	gtaccttggt	gcacatatgt	atgtttttct	agagtatata	480
cagtggtcatg	ggattgctga	attaaaaggt	ttgtatatct	tatactagaa	gataataaaa	540
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a						601

<210> 59
 <211> 730
 <212> DNA
 <213> Homo sapiens

<400> 59						
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tgtctctttg	agaacagcat	ggtgagtcta	ctatccttga	cttttcatca	atttgtttca	180
tcactaaagt	atttcaagtt	gctgtctacg	tcaaggcaag	aaattctgta	gggtttcagc	240
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ttaaatgtgc	wctatctgga	tccatattct	ggcacaatct	gcctcttggtg	atgaagatga	360
aaatggttac	cttaaagtcc	tcttcgggtca	ggccttcttc	agtttttagca	tctctaataca	420
ttgcagcaac	gtatcgcttc	accagggtcc	tcataacttc	ctgaggcatt	ttagaacaag	480
agtattgata	ctcaatgagt	aaataaattt	cctcctgagt	cagttctgaa	gggggggactg	540
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atgtcttctc	aagttatcag	cagctcgctc	ctgaaaagga	aaaggacatt	cctttctggt	660
tatactgtta	tattactatt	ctaaaaaata	atttatTTTT	ttaatcgaaa	aaaaaaaaaa	720
aaaaaactcga						730

<210> 60
 <211> 845
 <212> DNA
 <213> Homo sapiens

<400> 60

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cagttgcttt	tttttttttg	gaaacatagt	cttgctcttg	tcacccaggc	tggagtgtaa	120
tggrcgcgat	ctcggctcac	tgcaacctct	accttcagg	ttcaagtgat	tctcctgcct	180
cagcctctgg	agtagctgtg	attacaggcg	tatgccacca	cgcccaagta	atttttgtgt	240
ttttagtaga	gacagcgttt	caccatgttg	tccaggctgg	tctcaaaactc	ctgacctcag	300
gccatccacc	caccttgggc	tcccacagtg	ctgggattac	aggtgtgagc	cactgtacct	360
ggcctccttt	caactttata	ttcacctatt	tttatctttt	ttaaaagcac	cacttgcctt	420
tgttttaatt	ctctgtcaag	caattaattg	agattttcat	cctgctggca	accactctag	480
ttctgcagca	tcctcatgag	aagcaaggtc	cactttctcat	ttgtcttcct	ttcaactgtt	540
tctattttcca	cactttcact	agcaatatta	atttcaacca	atttctaaga	caagaagtat	600
gccactggaat	gtataactga	tcttaacaac	agattaacaa	attgttgatt	ccctgccatt	660
ttcaaaaatat	caaataataca	agacagtaat	ttttttaaaa	tattttttca	tctctgaggg	720
aaaggatgat	ttgaagactc	ctttcaaatt	cccaagaaag	cctctcaata	ttatctgtgt	780
aaactactga	ttcacaggaa	taaatatattg	ttattttaata	taaactaaaa	tgaaaaaaa	840
actcc						845

<210> 61
 <211> 958
 <212> DNA
 <213> Homo sapiens

<400> 61						
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ggttattttg	ccatgactgg	ctgatcttga	gctcaaggat	ctgcttcaaa	tgcacacagg	180
cctagttgaa	gtttaaaccc	cagcaaaaaca	ttcctccctg	taaatggaaa	atcctacttc	240
tacccccacc	ctgccctggt	ttttgttttt	tttttcccca	agatcattag	atgtcctcac	300
ccctcctcac	tgcctcctct	ctgggacagg	ctgggacctt	gaggaagata	aagccttcct	360
tgactaccca	tcataattcag	tgtccctgtt	cctcactcag	agaggaaggc	agaaccagtc	420
aggcttattt	cagtaagttc	cacagttcta	caagactgca	ggaattctcc	ttaagggagg	480
agagcaagca	ggtgtggccc	cagcttcttg	aaatggcaga	agagaggggt	ttctcattga	540
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caactcctgg	gaggagaggg	tctcaagagt	tgtccctgga	aggagggcgg	gggcagtctg	660
catctatttc	aggttgtggc	tcttggttct	aggactctta	cttctctggc	taagggtcga	720
gcttcttggg	acttcaacca	tcttctttct	gaaagaccaa	atctaattga	accagtaacg	780
tgaggactgc	caagtatggc	tttgtcccta	tgactcagag	gagggtttgt	cgggcaaatt	840
caggtggatg	aagtatgtgt	gtgctgtgtc	atgggagtgt	gcgtggactg	ggatatcatc	900
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<210> 62
 <211> 582
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (27)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (49)

<223> n equals a,t,g, or c

<400> 62

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tgaggacttt	ggactggcat	aaatcatagg	aatatgatta	tgaggatata	tccaattttc	180
agattgggca	atgtatacag	tttattatca	tttctgattt	tgggtagagt	tagtactaag	240
aacagcattg	aagaaaagca	gtataacatt	aaaatttaaga	agattttaaaa	tacaagagga	300
ttcataacag	tcacttttta	aatattgttt	tggcttttcta	ctttggagct	gtaattttta	360
aaaaagaatg	aacagggttt	tgtatgaata	tgtagaatg	actaattata	gagcatcttt	420
caactgggaat	acatgtagat	actaacacct	ggttgtattt	gatgtaattt	cagtgcatac	480
agtgtgtgta	atctgtatta	agtgaatac	ttatgaataa	agttgtttct	gcattgcaaa	540
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaactc	ga		582

<210> 63

<211> 752

<212> DNA

<213> Homo sapiens

<400> 63

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gcacagtgat	tccagagaga	agtctttgct	cctccatcta	tggaaaaact	tctcacattg	120
tatttattac	tatatgtttc	ttactggagt	gtctctccta	ctggacaggg	agcaggttta	180
tttattgctc	agtccctcagc	ccctggactt	aggcagactc	atagtagaca	tttgggaaat	240
gcttgggaaa	gaaaggaggg	gaggagagag	gaaggactcc	atggccatgt	ctaaatgccc	300
agcaatgtca	tagaggttat	gggggtgcag	gagaagacac	agccctccct	ctggcagcta	360
ggatagagcc	tagctgctgt	taaagacagg	cagctcattc	ctcacctggg	ccaagctgca	420
gctggtcac	tctgcccctt	tctccttcca	tcttatggga	gcttttatgg	agtcagaagt	480
gagtgaggca	gacctgggag	agccctacac	tcaggaagaa	tgtaggctgc	agaaaggaac	540
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cccagtgctc	tttggttgctc	tctgaagcca	cagaggaaaa	cagtagcaac	rrratraaat	660
aaaataaaat	aaaaaataat	aaaaaagcaa	agttcccaag	gaaataagat	gggggaattc	720
gatatcaagc	ttatcgatac	cgtcgacctc	ga			752

<210> 64

<211> 706

<212> DNA

<213> Homo sapiens

<400> 64

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tcaaaaacac	tgagctcctt	ttcactgtgg	ggccattgaa	tatgctgttt	tccctcccta	180
gaaccttttc	ctctcattct	tcacctgccc	aactcatatt	tatccatgca	gcctcagttt	240
taatggcatt	tcttcccagg	ccttccaaga	ccactctccc	tcaggcagct	ttcctgacat	300
cttttagcctg	ccgctcatg	ctctctacct	tttttctgta	tcaaaatgcc	tttgtttgca	360
agtaacagaa	ggcctgacct	aacctgcctt	taaacagtaa	ggacacaagt	atgcctatgt	420
tattagaggt	ctgcaggtaa	ggcacgtaaa	gggtcatctt	tttccagtgt	cttcaactcc	480
atttctctga	ggttccatca	gctacattct	gtgccatgac	tttatactca	gtgcattttt	540
cagatggtaa	tcaaatggct	gtaacatgtt	cacctctagc	tcagcatgat	actcagagga	600
agaatagagt	tgcttctagg	agttttgtga	tgagaatgag	ggaattttct	tccctggagc	660
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<210> 65

<211> 400

<212> DNA

<213> Homo sapiens

<400> 65

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ctgccctcat	attcgctaac	cgccacttac	tgccctggttt	tcagcctcac	taggatgtgg	300
gccactaagg	gccaacatgg	tcctacttgc	agctgcatta	tcagggccta	ccataacacc	360
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<210> 66

<211> 773

<212> DNA

<213> Homo sapiens

<400> 66

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ctgtctgtca	gaataacacg	aaagtgagag	aaggccgctc	tttcagaata	acaccacaag	120
tgggagaagg	ccgctccctc	agggctggcc	atgaataaat	ggggatttct	gcctgttytc	180
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aatggcggtga	acctgggagg	cggagcttgc	agtgagccta	gatcgcgcca	ctgcaactcca	720
gcctgggtga	cagagcaaga	ctccatctca	aaaaaaaaaa	aaaaaaactc	gta	773

<210> 67

<211> 647

<212> DNA

<213> Homo sapiens

<400> 67

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attactaagt	ttaattaagg	tctggaattt	ttttagatgg	tgtatcatgg	gtataatatt	180
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acatgaaaac	attctcctcc	gcataagcct	gcgtcagatt	aaaacactga	actgacaatt	540
aacagcccaa	tatctacaat	caaccaacaa	gtcattatta	ccctcactgt	caacccaaca	600
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<210> 68

<211> 675

<212> DNA

<213> Homo sapiens

<400> 68

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<210> 69
 <211> 889
 <212> DNA
 <213> Homo sapiens

<400> 69						
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gctttcatac	atgtctaggg	taaccaagtt	ctctaataaa	tggcaatagt	gatgtatttt	480
yctwaaatcc	ttttctaamc	agcattatgg	gtttgtgctg	taccggacaa	cacttcctca	540
agattgcagc	aaccagcac	ctctctcttc	acccctcaat	ggagtccacg	atcgagcata	600
tgttgctgtg	gatggggtaa	gaatcgctc	tgaactgtgc	ctggcttttc	tccactatct	660
tgaaatcaga	tgggaggagg	cttttttctg	ggtgggactg	aggaggcaca	ctgaagtccc	720
ccaggtcatc	ggggctgggc	cattgccttt	ttccccaccc	tgggtagtgc	tggacagaag	780
cttgggatgg	gatggagagg	agagatcgtg	ctgtgtgtca	tgtctgttgt	tcaagtaaat	840
aaaagttgcc	ctgacttcaa	aaaaaaaaaa	aaaaaaaaaa	aaaactcga		889

<210> 70
 <211> 888
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (347)
 <223> n equals a,t,g, or c

<400> 70						
ggcacgagaa	ctgccgtcca	atctatgagc	tgggcccttc	cttccctctt	ctttcttctt	60
ttctctccct	tccttcttcc	ttcaggttta	actgtgatta	ggagatatac	caataacagt	120
aataattatt	taaaaaacca	cacacaccag	aaaaacaaaa	gacagcagaa	aataaccagg	180
tattcttaga	gctatagatt	tttggtcact	tgtttttata	gactatttta	atactcagca	240
ctagagggag	ggagggggag	ggaggaggga	gcaggcaggt	cccaaagtca	aaagccagag	300
aaaggcagat	ggggtctccg	gggctgggca	gggggtgggag	tggccantgt	tggcggttct	360
tagagcagat	gtgtcattgt	gttcatttag	agaagtgggt	gaaggttcct	gggatcttag	420
gtaaagacta	gacgccgcct	agtactggct	tctactgtgc	tggctcagga	gttctgagaa	480
ctggaaggac	ttagcctcaa	cctgagttct	gcacacaccc	cttcccctta	aggaaggcag	540
ctctgagagg	cagcaggact	tgatccaaac	ccacagtctt	gtcctggagg	cagcaggggt	600
gaagggtggg	ggtccagggc	catgaggagc	ccccttgcca	tcagagcctg	gcctaaccac	660
cctcttctct	acttacacac	acatgcattt	tataatagct	ctgaccaaac	ctggccactc	720

tgcagagact	gggacagaca	ggtgcaggca	atggggccctc	ccacacccag	tcacctacaa	780
ggaattttca	aatccacttt	taaaacagaa	accgggtaaat	gcgccgtatt	gtatatattta	840
tttaataaaa	aaaaattcca	gcaaaaaaaaa	aaaaaaaaaaa	aactcgtgta		888

<210> 71
 <211> 796
 <212> DNA
 <213> Homo sapiens

<400> 71						
gaaaaaaaaag	aaaaagccaa	aaaaaaaaaga	agaagaagta	ccactgctag	gattttgaacc	60
cagatctagc	tgactcaaga	accatgccct	atctctgtgt	ccatgttggtc	accacttaat	120
cacttgatatt	ttcccttcag	gtttctctgt	atgctgtgtt	ctctcccaag	agtggctcttc	180
caactcaccc	ctattaagga	agctttccca	agccaggagc	ttacctttcc	gtgcacacat	240
tgaatgatga	tcattttgtca	ttctgtcttg	ccttacaaaa	gaggaccagc	tccttgagga	300
taggaacctt	gtccttatct	ccctgttccc	ctgtatgggg	gccagctcct	ggcaggtgca	360
tagtaataaa	tgagtataa	acttggttga	aagaccatgc	aggaaccaag	caactctttt	420
cctctgcctc	aatgcagtta	gttcaagaac	ttactaagaa	aagagttgtt	ggccaggcac	480
agtggcacag	gcctgtaatc	ccagcactgt	gggagaccaa	ggcaggcaaa	ttgcttgagc	540
tcaggagttt	gagaccagcc	tggacaatat	ggcgaaaccc	catctctatg	aaaaattgga	600
aaagtagcca	ggcatgggtg	catgcacctg	tgggtcccagc	tactttggag	gctgaggtgg	660
gcgaatcact	ttagyccggg	gaggtcgagg	atgcagttag	ctgagattgc	gccactgaac	720
tccagcttgg	gcgacaaaat	gagaccctgt	ctcaaaaaaa	aaaaaaaaaag	aaaaaaaaaaa	780
aaaaaaaaaaa	ctcgta					796

<210> 72
 <211> 532
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (434)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (528)
 <223> n equals a,t,g, or c

<400> 72						
ggcacgagta	aaaggtgcca	tctatgaatc	agaaagtacg	cccttaccag	acaccgaatc	60
taccagctcc	tggacagaac	agactaagat	acattccaag	aagcagtttc	tttggagaca	120
gaggcgtaac	tgtgcatatg	gacaagggtt	atatttctgt	tcaaagtggc	catccatatg	180
cttctaggct	tcctttgtct	ctggatcaaa	gtgtatgtat	gtatgtatgt	atgtacttat	240
ttattttatt	atttattatt	ttctcttttt	tctctgcccc	atatgatctg	caagaaaagt	300
gtcaagttta	taatgagctc	cccaaagcca	ccatctgggt	agcctcacat	ctttttcatc	360
ccctgtgcct	cttccctgct	tttgtcctac	tctagccaga	ctcgtgccga	agggggggcc	420
ggtamccaat	tcgncctata	gtgagtcgta	ttacaattca	ctggccgtcg	tttamaaagt	480
cgtgactggg	gaaaacctgg	sggtacccaa	cttwaatcgc	cttgaagnaa	at	532

<210> 73
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 73

ggcacgagct	ctccagcacc	tccttgggaac	agatgcacctg	ctacttttaca	aggcttgtgg	60
aaaagagaaa	gagaacagta	gcaaaaagcct	gtgtagttca	tgaatagaag	ttagcatcgt	120
agtgagtaag	cagtactgat	gatctgtgaa	atgattctct	gtggacttga	gcatgctaaa	180
aagatcttga	aaaaggaaaa	cataaatctt	tccaaaacct	cacatgaccc	ctgtatgctt	240
tcgccttctt	gaagctttgg	aggagagcat	aggtgtggat	gaaatggagt	ctttttaaag	300
ttgttttggg	ttttgttttt	gtgtgtgggt	ttttaagag	agcatatcct	gccacgtaga	360
agaaaaatcca	gggggtggct	gtcctcctac	aggaaggagg	taaacaagca	tttttcctta	420
agggtcttat	tccctcagcc	tcgctccctc	gaaggccaca	cttggaggcc	aggaagttaa	480
tccattaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	540
ctcgta						546

<210> 74

<211> 715

<212> DNA

<213> Homo sapiens

<400> 74

ggcacgagct	ttccctcagt	ccaatcttgc	aattgctatg	tcagtttcag	ttcacaataa	60
taccagtgc	gacatggctc	cttaagattt	tctccttttc	cctcacgagg	gtcccaattc	120
taaattccca	agggctgaca	tgattgacat	ttgccatagc	ctgaggaggg	agcatttcct	180
tttgtggctt	ttccttggtt	tgttttattg	ggcagtgaat	ggcaagtctg	tctgtgtttc	240
tttgcttcac	cccaaacc	ttggcaaaaa	tgaaagcctt	ctaatttagc	tgtgtcctcc	300
tttacttatg	tcaggaagcc	tgagccataa	cctttgatta	aaaaaatttt	tttttgtttt	360
ttgtttttga	gacagggtct	tgctctgtca	cccagggtga	aatgcagtgg	cacgactgca	420
gtcatttgca	gccttgacct	cactggagtg	tagtggcatg	actgcagctc	actgcagtcc	480
caagtagctg	gcacttacag	gcagggtgcca	ccatgcctgg	ctaattttta	aattttttgt	540
agaaacaggg	tcttgctggc	tgggcacggg	ggctcacacc	tgtaatccca	gcactttggg	600
aggccaaagc	gggcgggatca	cgaggtcagg	agtttgagac	cagcctggcc	aacatggtga	660
aatcctgttt	ccactaaaaa	taccaaaaaa	aaaaaaaaaa	aaaaaaaaaac	tcgta	715

<210> 75

<211> 406

<212> DNA

<213> Homo sapiens

<400> 75

aggttttcca	gaaagtattc	agatcttgct	ttcctgatta	gcagcagtta	gcgggggtgga	60
taaaagcacc	ccttcagagc	aatctcattt	ccatttcttt	caggccactt	attttttcca	120
actttttttc	cgtatcttca	taaatgtttc	actcttcttt	gtagtatttt	cttagtctct	180
tgagtcaaga	aataatttact	gagtatgatt	gcatgcataa	gtagtgtgcg	ttagagatac	240
gatacctgta	agacaccaca	gtgctgggta	gatccgggtg	ccattgtctg	ttgccagggc	300
cgaagtggc	attttgtaag	tgttcgaata	agcaccatgc	cgtgggataa	gaaataaaag	360
tgtgtgcctc	atctgtaaaa	aaaaaaaaaa	aaaactcgag	gggggg		406

<210> 76

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (510)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (518)
 <223> n equals a,t,g, or c

<400> 76
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 ctggagtcac ctgggggagg gagggaatgg gttgctagat ggtgcatgtc agtaatttgc 120
 cttggtgttt gatgacatta agtatattcg cattgtttgtg caaccatcac tgccatccat 180
 ccacagaacg cttttcctct tgcaaaactg aaactccgta gtcagtaagc aacaactccc 240
 cagtcctctca tctccacct cagcctctgg aaaccactag tctactttct atctctgtga 300
 gtttgacact ctacgtacct tgtacaggtg gaaccataca gtatttgtct ttttgtgact 360
 ggcttatgtc acctagaata gtatcctcga agggggggcc ggtacccaat tcgccctata 420
 gtgagtcgna ttacaatcaa tgggccgtcg ttttacaacg tcgtgactgg ggnaaacct 480
 ggcggtaccc aacttaatgg cttgcaggan atcccccntt cggcagtggg gtaataacga 540
 ag 542

<210> 77
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 77
 ggcacgaggg acaagaaggc ctttctctcg agtcggcatg gttccacttc tctgactgca 60
 tcgggaatta cctctccttt gggccaaaga caaaaaagaa tgcagacttg tttccaggat 120
 gattaaatta cattcagcat attcttcccg agtgcgtccc gtcttagtgg ggtttagagc 180
 tgcgttcagg ccagctgggc tccggttacc tctaatagagg atgatgatct ggaggcttag 240
 cgataattct gcaactgattc tcttgtgcct gcagaacctg tgttggccaa cttggatggc 300
 aggggaagat caacagaagg tgccctccac ccacgtcctc ccagcgctca ccttggtcag 360
 cctggggggcc aactcgtgcc gaattcgata tcaagcttat cgataccgtc gacctcgtag 420

<210> 78
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (446)
 <223> n equals a,t,g, or c

<400> 78
 gattttttcc catcgtggaa cagagtccttg ccaacttata cctctctctg agccttagtc 60
 tcctcgtttg taaaatgaga gttaaaatct acctcatgga atcattgcta agattaagca 120
 agatatataa gtagagcttg tgcacatggg aggtacttgg agaattgttat ttctccttcc 180
 ctcttactca tctggacaag tttaactaga attctaaaca gttaaatatg tatcaatcct 240
 ttgtattaaa tatcttggtg gtaaaatgtt aaaatattga tgtgaataac agctgggtatt 300
 gaatattcaa attaggggaa ctcttttcatt gttttaagat aacatctgta catttaattc 360

gtgccatgca	ataaaacagc	ttttcctgaa	aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	420
tcgagggggg	gsccggtacc	caattngccc	tatagtgagt	cgtat		465

<210> 79
 <211> 889
 <212> DNA
 <213> Homo sapiens

<400> 79						
ggcacgaggt	tacttattgc	tcctacttca	tatcatatgt	ggttctacaa	cctacattat	60
cttgtctatg	tcttttaact	agctgtgtgt	tcttacataa	gatctgcaga	ccttggttct	120
caactgcaaa	agcatattga	ttaaatgatt	actgttttta	cctgcaatac	tttaattttt	180
ggatttggga	ttaataatgt	aaaaaagact	aacatatatg	tgggattaca	aaactgtttt	240
gttagccttc	aaacaactga	tgaactgcat	caggagctgt	cttatactta	ttgttctgct	300
attaatactt	aatgcactgc	cttgtaaaga	gctgattgct	acttaaaaaa	tctgcttaaa	360
tgaaaaacca	aaacataaaa	gaattaaacc	aaacatactt	actctcccat	agcccatggt	420
ggacagcaac	ataaaggagg	gaaatgtttc	tgttgatctt	tggcttcaag	gattaatacc	480
agatttggat	accggttagt	tagataattg	gtaaggaatc	ccataaagtt	gtaaattaca	540
taagcttcat	agcattctct	gcaggatctc	acatatattg	caattccggg	atatttcaaa	600
gctatccact	atgaaaaagc	acagatgtta	aagatagttg	cagctaagat	aaaatgaatc	660
accactccat	tcatggtact	cacaataagc	taatttttat	gcttgagatg	tcttgtcata	720
tacttacatg	ggactctcta	aaattttatc	ttatgagggc	tatcaatctg	tgaaatgaat	780
gcttaaaagc	aataaacatc	ttagatattg	gtaaacaaaa	acaagtgttt	gaggggtaaa	840
taatgaataa	agagagaagc	taaagtaaaa	aaaaaaaaaa	aaaaaaaaaa		889

<210> 80
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 80						
ggcacgaggg	aaatcttgca	cataggcagg	taaataatta	taaatggtga	agtggattat	60
tctgagctgc	tttaatttta	agggaaagag	aactttaaac	tcttcaacct	tttatgctgc	120
taataagagt	tccacaatca	atagaaatct	atcttggcag	gcacttcctt	ttaccacta	180
gaattttttc	ccttgggagt	tcacgatccc	cagaaactgt	gatatgagcc	attcaatatt	240
gatgtactaa	aacagtgtct	tgcttaataa	cagtttttca	acatacagtc	ttggaagaaa	300
caaaatccaa	aataaattcc	aatagtccag	taacaggaat	aaagacaact	attgcaaatt	360
aaatcttaca	gacttatatg	aaagctgttg	ttaacagctg	ggtactagtt	atttgaaaag	420
tttctcgtgc	cgaattcgat	atcaagctta	tcgataccgt	cgacctcgta		470

<210> 81
 <211> 1090
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (28)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (43)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (54)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (95)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (545)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (863)
 <223> n equals a,t,g, or c

<400> 81
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 tcgtaaccaa ctcccccca ttgaccccaa atggnccggtta ggcgttgtac ggggtgggagg 120
 tctatataag cagagctcgt ttagtgaacc gtcaagatcc gcctggagac gccatccacg 180
 ctgttttgac cctccataga agacaccggg accgatccag cctccggact ctagcctagg 240
 cttttgcaaa aagctattta ggtgacacta tagaaggtag gmctgcaggt accgggtccgg 300
 aattcccggg tcgacccacg cgtccgccag cctggaggcc cagacgtggc gcagcgactc 360
 ggaggttcgc ctccagcttg cgcacatctt gcggccgggt cccgatgagc ctccctgttg 420
 ctccgctggc gctgctgctg cttctgcgg cgcttggtggs cccagccamr gccgccactg 480
 cctaccggcc ggactggaac cgtctgagcg gcctaaccgg cgcccgggta gagacctgcg 540
 ggggnatgac agctgaaccg cctaaaggag agkgaaggct ttcgtcacgc aggacattcc 600
 attctatcac aamctggtga tgaaacacct ccctggggcc gaccctgagc tcgtgctgct 660
 gggccgcccgc tacgaggaac tagagcgcac cccactcagt gaaatgaccc gcgaagagat 720
 caatgcgcta gtgcaggagc tcggcttcta ccgcaaggcg gcgcccgcg cgcaggtgcc 780
 ccccagtagc gtgtgggccc ccgcgaagcc cccagaggaa acttcggacc acgctgacct 840
 gtaggctccg gggcgccggc ganctgggac ctacctgcct gagtcctgga gacagaatga 900
 agcgctcagc atcccgggaa tacttctctt gctgagagcc gatgcccgtc cccggggccag 960
 caggggatggg gttggggagg ttctcccaac cccactttct tccttcccca gtcactactaa 1020
 attccctcct gccttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
 aaaaaaaaaa 1090

<210> 82
 <211> 698
 <212> DNA
 <213> Homo sapiens

<400> 82
 gtctagttta tgtttttcca ctggacaggg agctccttga ggaccttgct ttgctcgtctg 60
 cccccaccct aaaacttgct gtaaagcagt tcctggaaca gagcaggtgc tcagtagtac 120
 tggttgcatg aatgaatgaa tgaatgaata ggttttctct ttttagacac attgggagat 180
 gggcctatgg tttcctatgc tcattttgac ccagagattt gtgtcctgtg actcacatcc 240
 agacccaaaa cacacacata cacacgcaca cataaataca cacacacaca gacacgtgca 300
 cacacagaca cacatgcaca cacacataca cacaccttgg tttgaagaga agaggggatgg 360
 gaacagacat tctacgcatg cctacagtgc accactgtgc ataggtaact gatgctgtat 420

aagcactcaa	ggattatctc	catttttagc	cagagaaact	gaggcttgct	ttctgctgtg	480
tctccagtgc	ctagcactgt	gcctggcata	aacatctgct	gaactgaatt	gcactagatt	540
caagaggctc	agaaaacagt	tcaagggtcac	ccaactagca	agttgtggag	ccagaatctg	600
tgctcagggc	tgttcagttc	ccagccagtg	ccgggtagca	gccataggca	cctgcacaaa	660
ctccagcgac	ctcgttaact	tccaaacacg	gtctcgtg			698

<210> 83
 <211> 868
 <212> DNA
 <213> Homo sapiens

<400> 83	
cacgcgtccg	60
ttcattttccc	120
cttatattgg	180
gtcagatgtc	240
aacttcattg	300
ttagcatcta	360
tgcttctgtt	420
gcaaaataat	480
atgttacact	540
agtatcctga	600
cttccccctgg	660
aacatgaatg	720
cagaactttt	780
tatattttaac	840
tgcatatatt	868

<210> 84
 <211> 629
 <212> DNA
 <213> Homo sapiens

<400> 84	
ggcacgagaa	60
gcagacttct	120
gagcctcctg	180
aaatttctcc	240
ggagccagga	300
ctgatgactc	360
gtcctcagga	420
cttcagggct	480
gccctttcca	540
gttggaattt	600
gcagcctcga	629

<210> 85
 <211> 837
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (474)
 <223> n equals a,t,g, or c

<400> 85

gcttccaggc	tccagcctct	gcccgcactg	cttgcagtag	cctactcatg	tgtcctcttc	60
atgtgcccct	ccccggatcat	atgggtccct	tctggcccct	gcccagctta	tactctgtcc	120
gacccacaca	gtcaccctgt	cccttttgct	tttctttgct	gccactgcag	gcccacctca	180
gcctcctgca	cactctcttc	agatcagcct	cccaatctcc	agcgtctgga	gtgttctggg	240
gctgcctgag	agagagacat	gaatacatgt	caccctgcct	tcctcacatg	taccagaagt	300
ttgatttttt	tttttttttt	tgactgagtc	ttgctctgtc	accaagctgg	agtgcagtgg	360
cacgctcggc	tactgcaac	ctccacctcc	cgggttgtag	cgattctcct	gcctcagcct	420
cccagagtagc	tgggattaca	ggcatgcacc	agcatgcccc	gctaattttt	gtanttttag	480
tagagacagg	gtttcaccat	gttggccagg	atggktttga	tctcttaacc	tcgtgatccg	540
cccgcccttg	cctctcaaa	tgctggaatt	acaggcgtga	gccaccacgc	ccggccctga	600
ttattattat	tattattttt	aacaataatc	tgggccaggc	acagtggctc	acacctgtaa	660
tcccaacact	ttttgggagg	ctgaggcagg	aggattattg	agcccaggaa	tttgagacta	720
gcctgagcaa	catagtgaga	ccctgtctct	acaaaaagta	aaaaattagt	ccaggcatgg	780
tggcacatgc	ctgtagtccc	agctactcag	gaggctgaga	taggaggatc	actcgta	837

<210> 86

<211> 903

<212> DNA

<213> Homo sapiens

<400> 86

ggcacagcct	tccccctgcc	cttccctgcct	ggctcactcc	tggccaccct	tcagactcct	60
ctctctgcct	cctccagctg	gcgcctcact	tggatgatgg	cgtgtctgtt	ccatggcccc	120
tcccagaggk	acttggtttc	tcctgctgtc	attgctgtct	ccttacgggg	ccgcatgctg	180
ggttttctta	ccatttcctg	catcctgcag	agccgagggc	gtggcagcac	caatcaagtg	240
tagtaggaat	gagtaggaaa	caagcatcct	tctccatggc	acagaargga	gtctgtcacc	300
ttggaaaagtc	aytcaagaga	ggatccaaga	aagcgtcttg	ccctamctac	ccctccttta	360
gcaagtgagg	atcttcgagg	graggggagt	ttccaagtca	actggtgaca	aagccaggat	420
gagaagacac	tcccagacca	ctgtggctaa	tgacacacac	tggccggcca	tgccatctgc	480
cagcgctgga	ggtggccgct	caacacagga	aggtcaagg	catgttagca	gctccccac	540
ccagcagggg	aaagggaag	acttgcactg	gggagcagtt	ttatttattt	ttatttattt	600
attattaatt	atttttagat	ggagtcttgc	tctgtcacc	aggctgatgc	agtggtgaga	660
tttttagttca	ctgcaacctc	tacctcctgg	gttcgagcga	ttctcctgcc	ttagcctcct	720
gagtagctgg	gactataggt	gtgggtgtgc	atgccggtaa	tccagctac	tcgggaggct	780
gaggcaggag	aatcacttga	acctggaagg	cggaggttgt	ggtgagccga	gatcacacca	840
ttgcactcca	gcctggacaa	caagagtga	atccgtctca	aaaaaaaaa	aaaaaaactc	900
gta						903

<210> 87

<211> 725

<212> DNA

<213> Homo sapiens

<400> 87

aggttctaag	catttttgctt	gacctgactc	atttaatcct	cacaaaactc	tacaagataa	60
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aaggctcacac	tgtgtaccat	aagtggaaga	gctaggatgc	aaaccaggc	agccgggttc	180
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gtcttaccta	cactgggatg	tgtttgggac	atgcattttg	cttgttgcta	tctcattctt	300
gcagaatgca	ttgtacttgc	tatttgtgtc	tattcacagt	tcaggttttg	ccaggcaagt	360
acaatgaagg	aggagagggg	caaaggaatt	gaggggtgct	acaagggagt	agttagagag	420
atggatgtga	aggctaagct	gggcaaatg	agaagtaagg	acatgatata	ggtgatgggc	480
agtaaaaaata	tgtaattgtca	gcagttttaa	ggactggatg	gggcagatat	taattggagt	540
tgcaggacta	aaggagtcca	aatatagga	aatgaatacc	agagacagag	agagggctga	600
agtcaaaatg	ttggaggtgg	tacttattat	taacaacaag	gtctagagga	tgaccgcaga	660
attgggggtcc	aagggtgacac	atggctgaca	gctgtcattg	accacactgt	aatgcagaac	720

tcgta

725

<210> 88
 <211> 606
 <212> DNA
 <213> Homo sapiens

<400> 88
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 catttcattt catatgcatg tttccagggt gtattctctt gtgcaatctg tgtatgttct 120
 ttgtcttatc tttttctatg ggaatatttg ctttttattc acttataaga gcaatgcatg 180
 tatcaagggt agattttaat tttgcaacat attttgtggc ataatcagggt ttaaaatgct 240
 tgaagttacc atatatgtaa atttttctt catgttcttt gcatttaagt gactggaaga 300
 gttcattcct tccactgaaa tcactgaata actaccttgg ctacttggtg ccaatgatga 360
 aggcatacata tttatacccc tcaaaggatt cacagtccag gaagaagcag acaaacgaag 420
 actttcataa gtgctatgga gagccaagga accatctcga tctgctggga attcctgggg 480
 caggaaactg aggatgggac tgtgggtccaa ggaggcagac tctgaccagg ctgggacagg 540
 gaaggggagc gttcagggtca aggtggtcgg ccttctgtca gagcatactg cattacagta 600
 ctcgta 606

<210> 89
 <211> 1142
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> n equals a,t,g, or c

<400> 89
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 gggaggacac tggggatagg ggcttggggc tatttacctg ccattttaag tagtttgcta 120
 ttttagcagc caacaataac tatttggtgct gaataccagc cctgcagtgt agcatgagac 180
 aggtccatgc acacatgcat taggaaaaca ccttcatgaa gcaggattct gcctgggctg 240
 atgcacacaa cctctatgga ggggtgaaaca gtgtttctga agaccgtagt ttgggaaccc 300
 ctgacatatg agcaatgccc ccttagataa gctcaagtta caggaatgty tgaggggtgga 360
 aggtgtggat atgtgctttt gcctgtytcc ctcttacagt gtctggccat ggggcataaa 420
 cactacccag cagtaggtag gytggccaag agaagccagc ttgcatcacc agcatcatct 480
 agggaatgga atcatggcag taatacgttg cttaggaaac aaaagctcta tggacacatc 540
 ttccaccttc tcagtcccag aaaccrtatg tactgtgacc ccgctcayta ggcccagccc 600
 tcgggaagag tgtgggccct tgaaaaggga agactgagt agcaaaatga tgagaaaact 660
 acaaaatggg cagaggctcag tctgacacat tcattctctg tcaagctcag gaagtactgg 720
 tccctgatct tggagatgct gtgtgagtgg cagggggact cctgctgggt aaatattcta 780
 tatgtggatg cctggacagg cccctatccc aggccctgct tgtcagaagc tccccttggg 840
 ccgagcgcgg tggctcacac ttgtaatctt ggcactttgg gaggccgagg caggtggatt 900
 gccctgagttc aggagttcaa aaccaggctg ggcaacatgg tgaaaccctg tctctactaa 960
 aaaaaaacta accaggcgtg gtggtgcatg cctgtaattc cagctactag ggaggctgag 1020
 gcaggccaat cacttgaacc caggagggtg aggttgagc gagctgagat cagccactg 1080
 cactctagcc tgggcaacag agcgagactc tgtctcaaaa aaaaaaaaaa aaaaaaactc 1140
 ga 1142

<210> 90
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (57)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (61)
 <223> n equals a,t,g, or c

<400> 90
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 naaagctgga gctcccaccg cgttggcggc ccgctctaga actagtggac cccccgggct 120
 gcaggaattc ggcacgagtc ctgacctcag gtgatccacc cacctcggct tcccaaagtg 180
 ctaggattat aggccttgagc tactgtgccc ggcccattgt gtttttcttt agggctcttc 240
 ctacagcctt gagaagtaga taggcatcag agtatggtac tataggaatc agaaaaattc 300
 aaaacaaatg tggattaagt gtttaggctc tatgtggctc acgcagccag aatccttaag 360
 tctgtgtgtt tctgtgtctc aagactgggc tcacattctg gctttgtcca taacaatgct 420
 ctgggatttc agggagttcc ctcatttgta aaatgagggg gtcagagcag gtgatatcca 480
 tgtttcttcc ctttctgata ttgttgctcg tggcatattc tttgtatggc gaatttaata 540
 aattatatta atgtgtctct ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa ctcgta 596

<210> 91
 <211> 633
 <212> DNA
 <213> Homo sapiens

<400> 91
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 tgctgtgtga gccaacacag tagctcctct acattacaag gatatgatta ttcttaaact 120
 tgtcgatgat ctaggaaaag taaaaatcac taagtcagga tttctcactt ttatggacac 180
 ttggagcaat cactggagg aacacaatca ccaaagtctt gttccattgg aaaaggcgca 240
 ggtgcccttc ttgtttattg ttggcatgga tgatcaaagc tggaagagtg aattctatgc 300
 tcagatagcc tctgaaaggc tacaagctca tgggaaagaa agacccaga taatctgtta 360
 ccagaaaact ggtcactgta ttgaccacc ttattttcct cttcttagag cttctgtgca 420
 cgctgttttg ggtgaggcaa tattctatgg aggtgagcca aaggctcact caaaggcaca 480
 ggtagatgcc tggcagcaaa ttcaaacttt cttccataaa catctcaatg gtaaaaaatc 540
 tgtcaagcac agcaaaatat aacattgtag ccacagacca gataccatta ataaaaatcc 600
 tattcataaa aaaaaaaaaa aaaaaaactc gta 633

<210> 92

<211> 725
 <212> DNA
 <213> Homo sapiens

<400> 92
 ggcagagcctt ccctagcaat aattactttg cttaattttac ttttttcatt cttgtgcgtt 60
 ccttttatatt tcatatatta aatatccatc aacattatat aggggtcctt aaacattatg 120
 taacaagata catattgaat gtattacact gcagcttgcc ttttcatttc agtggtgttt 180
 ttaggtttat ctgtgttgat aagcgttgct gtagttcatt ctttttttaa acattgtata 240
 gtatttcattg atgattaaac cacaatttat ttattctcct gttgatagac aattaggatg 300
 ttttcagttt tttgctgtga caaatactcc cgttatgggc attattttgt ctccttttta 360
 catagatata aaagtttccc tacggtatat accaagaaat ggaatttctg agtttttagg 420
 gtatggacat tctcagcttt actagatttt gcctagttca tctccaaaac tgtggtacta 480
 atatactttc ccaccagcag tatataagag ggccctgtttc tccacatctt tgttaaaact 540
 atatatgttc aaatttttaa attttgccaa tctgggccag acactggggc tcacatctgt 600
 aatcctgtaa tcttagcatt ttggaaagca gaggcaagag gatcgcttga ggccaagagt 660
 ttgggaccag cctgggcaac agagcaagac cccgactcta caaaaaaaaa aaaaaaaaaa 720
 tcgta 725

<210> 93
 <211> 601
 <212> DNA
 <213> Homo sapiens

<400> 93
 tccccgggc tgcaggaatt cggcacgagg tcggcacgac actgccccaa aatcaaaatg 60
 gctcaagtcc actttcaaaa atgtcagtgc tcaccaacag tgggtgaaaa ggctgcctga 120
 cccagcttct cagagagcca gtgcctcaaa tccaatgcat ggcaattgct ctggggcccc 180
 tggttttaag ctggctttgt tatttggtgc tgacactgga aagcctctgc acaacaaga 240
 tggcaagtga tgagccggtc agtcatcact gccttcccag actctctgaa ccacccttga 300
 cattctgcct ggaagcaggg ggcttggtgg aggtgggtga cctcttgaag tcccggggcca 360
 ggcctgtgat tctgtaatct ttgctttacc ataattaggg agggaggcag aagagcagga 420
 ggagaaacca tttattactt ctctgggatt ttgacagctt ggaaaaagag agagacagag 480
 aaacagtcca gagaaggagc cagccacagt gagtttaacc tctcagtaaa ataaaaatgg 540
 gctggacgca cctcatcagc tgccctctgt caatacccg gcccctctgg caggactcgt 600
 a 601

<210> 94
 <211> 692
 <212> DNA
 <213> Homo sapiens

<400> 94
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 ccaaattcac ctgcctatgg ccggccaccc agtggttctt ctgctcatcc acctactgcc 120
 cttagacttc agcatgggct ggaccagac cccaggatct aacaactggc gacgaggatg 180
 gaaggaggtg agtgggtctt cagccctga gggctccccg gacggctacg tggccgcagc 240
 atgagctgtg gtaccgggtc gcagtgggtg tgcttggtg agccccagt gaaacatggg 300
 aggcagtgtg cagatccccct atgagtgtgg agaaggcgct gaatcacctg gaaatgcaca 360
 gcattgaaag gaacatacct ttgccagcag agtcagatgg gcatttgoga ctatgctgag 420
 ggaaatgaat gcccaatccc tgcaggatgc agcgcaggga ggaggaacct ccgttgccagg 480
 cttgcccggg agtccgtcag aaaatagagc atgaacagct gttggggccc aagaggaggc 540
 ccagagaccc cccatcgtgg tggaaacacat ttcctatggt gcctgtgtcc ccgctgaatt 600
 gagggagtta agcaactaat gtcgccagt gtgtacagac ttagtgcaag tcattcggga 660
 gaaggacatt tgcgcaacct agtcctactc ga 692

<210> 95
 <211> 1005
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (506)
 <223> n equals a,t,g, or c

<400> 95
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 gatggctgga tcctactcct ctgacatctt agtggttgga agatcttgga cctcctcct 120
 tctttctgtt ttgaggttgc agaccgttgg ctcatcagtc acactggact cacagggtggg 180
 tattatttgg cctgcagttt tcaaaatagg aaatcgtgtt aaaaaacaaa atcaataaaa 240
 agaaaaacga caacaacaaa accaaaactg aacttccaat ttatcttgga gaattagcag 300
 acctagtaaa atgagttctg tattctcata tggcaataat tttctggagc tgagtacctg 360
 cttcttgggt cattcttaaat caactcattc tttccaaaca tcttataccc agcctgtgtc 420
 attcatttag gtgagctgac aaaggctagt aggaatataa atttatgacc cttagtttat 480
 actctcccca gtggatctta tttaantacc cattwaaata ccatatgctt taaaaagtct 540
 tctttcataa cattgagtgac acacaatatg ccctgaacta tgtaccagac actggggata 600
 cgcggtgaat kacgcaagtc actctacttc caaagaactt accttctata gaggggagac 660
 acacacaaca gtgataacat aaagccaaat aatatttggg ctgggagcag tsgctcatgc 720
 ctgtaatccc agcacttcga gaggtctgag cgagcggatc acgaggtcaa gagattgaga 780
 ccaacctggc caacatgggtg aaatcctgtc tctactaaaa atacaaaaat tagctgggtg 840
 tgggtggcagg tgctgtgaat cccagctact tgggaggctg aggcaggaga attgcttgaa 900
 cctgggagge gaaggttgca ttgagccgag attgtgccac tgcactccag cctggtgaca 960
 gagcgagact ccattctcaa aaaaaaaaaa aaaaaaaac tcgta 1005

<210> 96
 <211> 612
 <212> DNA
 <213> Homo sapiens

<400> 96
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 cactaaccta tatattgac aattcctcta tgcttgcttt ggttttgagc aaattatatt 120
 taaataagtt tggtgctagg aatgtcttaa aaagctactc accctttttg ttagaagtaa 180
 gtaaagtatt atgtcaggac ctgccattaa cttgggtatag tacgaatata tcctcagaat 240
 actgataaaa tggatgtct tgaacaaaat cacaaactgt caatatgttg gtgatgaatt 300
 tcttctgttt tcatttggat cagtagtggg gcagttcacc aagtgtgaga tcgacattta 360
 atgttttcat gaaatgcaaa cccatcagtg gctaatttgt taaaaaatag atgttgggct 420
 tttcttaagg ctaaattggt cccatttgtt ttagagaaca actcacttag cctatgagtt 480
 tatgcaattt ggcagaaagt gaaaacatat ttggaagtat tgaaagtcac tcattgttga 540
 tcttttatat tggaatgycc aaggttgcat catcagagtg tcgttatgaa aaaaaaaaaa 600
 aaaaaactcg ta 612

<210> 97
 <211> 670
 <212> DNA
 <213> Homo sapiens

<400> 97
 gctcgtgccg aactcgtgcc gacgaaaagc tgccaagttg aaaatggacg agtaatcgcc 60
 tgcttttgatt cattgaaaaa ctaaatctcc ataccactt catccgtgtt tttggcttat 120
 gtatgggatg ctagaatggc ctatctccat gtattttgtt gcatttctcc attgcttctt 180
 gtgttctggc gggaatcttg gtgattcttt tcaagcacta cctgagctct gtgccaattg 240

ttcctcttct	cccaggggtg	tgtgctgcgt	ggatcatgtct	ccacttcctt	agccctgtcc	300
attgacagaa	ccttgggttc	tgtgatggct	gcctctaaac	ccttgtgaaa	gcggggaata	360
ttcctcccc	tgctgcta	gttgagcacc	gtgctgggta	ccatgttgcc	ctctacactt	420
gctttcagtt	gttaaggctt	cccaagcttt	ggctgtggct	cagtgtcct	gctgtcaaaa	480
ccctgaaact	ttcctagcct	ggacactcag	tggtagcagc	aggtgttggg	atttctccaa	540
gcccctaaga	ctctgggagg	aagagaatgg	ctgtttgaca	tagacctcag	gagttttcaa	600
agcaccaaga	aacctctcca	gaagatatgt	aaagatttta	aagggaaaaa	aaaaaaaaaa	660
aaaaactcga						670

<210> 98
 <211> 619
 <212> DNA
 <213> Homo sapiens

<400> 98						
gcggcacgag	tgatatttca	cgtcacatgg	ctagttagtg	ggtaggcctc	tcttcactta	60
ttacacttct	gcttctaagc	tgtgttcttt	cctgtattac	actggaggaa	ggagaaaaag	120
aacttgtatt	tggtccttga	ctgggtggaa	tatcctttaa	tgtggctgta	aggacatggg	180
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ccattttctca	cttatgcttt	atacataagg	atggcttata	gggaatgttg	ctttattata	300
tcacttaaaa	tgtttggtca	ggcaatagtg	actcatgcct	ttaatcccag	tacttttgaa	360
ggacaagtca	ggaggatcgc	ttgagaccag	gaactcagga	ccagcctgga	cgacaaaaca	420
ggatctcgtc	tctacaaaaa	ataaaatagt	cgagtgtggg	gatgcagtat	tgtagtccca	480
gctattttggg	aggctgaggt	gggagtatcg	cttkagacca	ggagtccaag	gatatagtga	540
atgatgatcg	ctccactgca	ttccagcctg	gacaacaaag	caaaacccta	tttctaaaaa	600
aaaaaaaaaa	aaactcgtg					619

<210> 99
 <211> 703
 <212> DNA
 <213> Homo sapiens

<400> 99						
gcttggttac	gtttatagct	tcaacacgcc	tctcattkta	ggtttatata	tgtgtttgct	60
tgctcattta	ttttgtcatc	atttgctcat	tttattacca	gttattgagw	gcctactgtg	120
taccaggcac	tgggcaaggg	gcattctgtg	agagagggta	tggtacctgc	gggcttaagt	180
agtccgtggg	cttgtgagga	aaacgctaga	ttagatcttg	attactgtaa	atgtcaarta	240
tggccaagtg	tgggatttcg	tggcaggagt	gagctttcct	ggaatttgct	tttcttgctt	300
caatttgcc	gatagtcatt	tcatgctagg	gatgttttaa	agtctctggg	gaggccctgc	360
agtgtgaggg	aaaatgctga	tccacaccag	aaatgcgaac	ctggctctct	gcccttgggc	420
aagtcactta	accctcctga	gcctcagttt	ccatctgtca	cttagagctg	attataccta	480
cttaacaccc	aggctttttg	tgaggggcat	tatctcatta	gagataatgt	ttttaaaagc	540
tctttgtaaa	ttgtgtagca	ttcaaattgga	agttattggt	atttttatta	ttgagtgcct	600
tctaattcaa	cactgggata	gtaacaaaag	aagagagggg	ttattatcac	ccctcttccc	660
tgtcacgttt	agattggggc	aaggaaaggt	tctcaccctg	cga		703

<210> 100
 <211> 762
 <212> DNA
 <213> Homo sapiens

<400> 100						
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tgacgtgcaa	aggctatttc	ttgaatttta	ttaaaatgca	aaaagatgca	tccatgtctt	120
ctctaaaagg	actgcgtatt	cctccacact	tggggaaatg	cagcttgtgc	tatttcacag	180
gctcatcatg	cccctttttt	ttgccaggac	gctgggtgat	taatgccatg	cttggggagt	240

gctccagcca	gaaatgaggg	ctatcgctg	tggccaataa	cagagcagat	tctcaataaa	300
catccccttg	gtgttacact	taatggggct	tgcttttcca	aactgctccc	tttcctgggc	360
tctgagcagc	tgagccgaga	gctcgtaagc	tctgctgccc	cagaacattg	tgcatctcyt	420
gattttgaaa	artctttcct	gaagsctcct	cttgggtcat	tggatcagcc	caagagcaaa	480
ggatttaaaa	gggccaattt	gatagggaca	gctcatagcc	ctgtgtaaga	ccactgggca	540
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agaatgtgtg	ctcttgccctg	tcctcaaagc	aggcttgtga	ggagctttct	gttcccagcc	660
ctgccatttc	ctcccaattg	gctggggccag	atgctccaga	cacagttaat	gagatgctga	720
gtgaaacaga	gccgctggct	cacatggcct	cagcctcctc	ga		762

<210> 101
 <211> 650
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (497)
 <223> n equals a,t,g, or c

<400> 101						
ggcacgaggt	gtcctgcccc	ccccagtgcg	ggtcagtaga	aggccagaag	caggggatgg	60
gagaaggcag	gtgggagggc	gtgacagcgg	cgaggatgag	gaaggcagcc	aggcctgcag	120
gcagccctga	gagcatgaag	cagaggggtg	agcaggttcc	cctcctcctg	ccacccttgc	180
tcctctctac	caggctctgg	ccttgctggg	gtgtaccac	agaatctgta	ggctctggcc	240
tagccagaaa	gagtgtgggt	gcttctcagg	gtcataatta	ccccatgccc	cacagggtgt	300
gagtcactgg	tagcagagtc	ctccccaatc	ccccccagaa	gagtgtgggt	aaaggcccgg	360
gccactgggg	tgctgagagt	gccaggcctg	acctactggg	ggtgggtgtca	gtaggggcca	420
tataccctgt	tctcamgaca	accccaggcc	aactcagatt	tgtggagcgg	ccatcccacc	480
tccttccggc	tcttcancct	cacaggagcc	tggtgggtcg	ggaaaactga	ggcctagaga	540
ggcaaaatga	tgatacaatg	aagagtgaat	acatgtggaa	caccctctgt	gcctcacact	600
ccactaagct	cctcacacca	ttcacttact	caggcctcac	cggccctcga		650

<210> 102
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 102						
ggcacagctg	atgttttaaaa	tacacgaaaa	atcttgtaac	cctatttttg	catatctttt	60
tcttcttctt	tttgggtttt	gtttaatatg	gaagtggaca	gtgcctctct	tgacctctgg	120
aaggccctat	gaaaacctga	aaccgaggca	aggtgacaaa	gtctgggtcat	tcagcactaa	180
gggcccgcctc	agattacttc	tttacttaga	aaaacaaaat	gttggtgcaa	aagattcaga	240
gtcacaaaata	ttcttcccgg	gcctgtcagt	ttctgaattc	ttagattttt	cattttaattt	300
agccatcagg	gaattttctga	gactagaaat	acctaggcag	aacccaaaca	aaatctcgta	360

<210> 103
 <211> 817
 <212> DNA
 <213> Homo sapiens

<400> 103						
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ccgggcctcc	tcaggtcttc	ggccagcgct	gtcctgcccc	cggtagttgg	ggttccaatg	120
gctgcggctt	cttcctgtct	gtggcttgga	catgccattg	gccgcgtctc	tatttctca	180
tctgcgactc	gggtgaccac	agttctcagt	tcaccgtgtt	cggtagaggt	gacatgaagt	240

gcctggcacc	catgtgggtt	tcctgtggg	attctgaccc	gcttcggagc	tgccctcctgc	300
tcctcatccc	acatttctct	gtgtttctca	tcctggcggc	tgtgtcctgt	ctgcccctct	360
caactgcaac	acgtctggaga	ggtcgggacc	ctgtccttgc	cattatctgt	ctactaaaga	420
acctgcaaaa	tggaataata	acaatatgtg	ctgaattaat	tattagctta	aaatttaaaa	480
cttaagtagc	atgatttgag	tgccagccagc	atcacctgcc	gtgagatcgg	tgctgtctac	540
aggaggatgg	agcttttggg	gaaccactga	gctgggagta	gctacgggca	cctttacca	600
gtcccaaaat	gtggaacatt	tgagttttaa	aagcagaaaa	ctctacagtt	aaaagccaat	660
attaaggttg	agtccattaa	tctaaattaa	tctgattttt	tatttcttta	aataaaaaag	720
taatcctatg	caatcaaagt	taaagtctgt	atatggctcc	ctatgaggta	ctacattccc	780
tgaagtgtca	caaaaaaaaa	aaaaaaaaaa	aaaaaaa			817

<210> 104
 <211> 881
 <212> DNA
 <213> Homo sapiens

<400> 104						
ggcagagta	tgactaataa	ggtaatctgt	ccttgttaac	aagcctgtat	ttgttatacc	60
tgtacttaaa	gtaaaattca	aactccttac	cctgtcctac	aaggctctac	ctgatctggg	120
ccctacctca	tctotaacat	catcttatgc	tattttcttt	cttgttcacc	agagccacac	180
cagctacctt	tctgtccctc	cttgtagac	ttatttctgc	tttagagcac	ccttgctgct	240
gccaccacct	gaaatgcttc	tcttctggta	ttttattttg	gtgagaacac	ctggcatgag	300
atctaccctc	taacagattt	ttaagtgtat	aatacagtat	tgctgtctgt	aggcacaatg	360
ctgcacagca	gatctctaga	acttaccttg	tataactgaa	attttatact	cattgattag	420
caacagcccc	aaattattga	aacctccttg	aagcctaaat	ttcagaaatg	ttcaaatggt	480
ttgaaaatgg	atattctgaa	ttatcttatt	agcatctacc	tataattagc	actgaaaata	540
gtaatttttt	taataaagaa	tcagttaagg	gccgggtgtg	gtcctcacgc	ctgtaatccc	600
agcacttttg	gaggctgagg	cgggaggatc	acaaggctcg	gagatcgaga	ccatcctggc	660
taacaccgtg	aaaccctgtc	tctactaaaa	aaatacaaaa	aaaatcagct	gggctgtgtg	720
gcaggtgcca	atagtcaccag	ctacttgagg	ggctgaggtc	aggagaatgg	cgtgaacca	780
ggaggggtgc	agtgaagcaa	gttctcgcca	ctgcactcca	gcctgggcga	cagagcgaga	840
ctctgtctca	aaaaaaaaaa	aaaaaaaaaa	aaaactcgta	g		881

<210> 105
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 105						
ggcagagctg	gtctcgaact	cctgacctca	ggtgatctgc	ccaccttgcc	ctcccaaagt	60
gctgggatta	caggcataag	ccattgcgct	cggctgagat	tagcaataat	taatgtgata	120
tgaaaatatt	ttctttttct	tcatgacaaa	ttcatggcta	atactgccag	gatttttttg	180
ttgttgccca	tattcataat	agaaggaaat	gctaatatga	aaataaagat	gtcacttttt	240
ccccaatcca	tgcaattttc	ccctaaattg	tatccatgac	ctacctgagg	gggatccatg	300
gactctcagg	ttaagacccc	tctactgaag	ggtagcagag	tacagtttca	aaattactga	360
ttaagagcgt	gggtccacca	ggagtccaag	cccagccggg	gcaacaggat	gagacctcat	420
ttttacaaaa	aatgaacaaa	attaggcattg	gtggtgcttg	tctgcagtcc	cagctacttg	480
ggagactgag	ttgagaggat	cacttgaggc	tgagaggttg	aggggtgcagt	tgagctgaga	540
ttgcaccact	gcactccagc	ctgagtgcac	gagtgcagatc	ctgactcaaa	aaaaaaaaaa	600
aaaaaaaaaga	aaaaaaaaaa	aaaaaaaaag	aaaaaaaaaa	aaaaaaaaac	tcgta	655

<210> 106
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (19)
 <223> n equals a,t,g, or c

<400> 106
 ccccccggn c tgccaggant ttcggcacga gtctctctgt caactctatt tgtattttcta 60
 taatggaaac tcaaatttgc ctaactcaga ttgtagcact tttcttcctc aggctagtcc 120
 taggaaaact cacttgtttt ttgtatggaa aactagtgtt agtagaagcc tttattccttg 180
 catagccccc aaatcagctt tttcagctat aatttagtaa gtctaattgtg ttcgactgaa 240
 gtactttttt tttgtaataa caagtgaataa ataatagaaga gtgtgtcctg gcgcatggct 300
 cagcctgtga atcccagcac ttcgggaggc cggagcygag gcagcggatc acttgagggt 360
 caggagttca agaccagctt gaccaacatg gtgaagtcct gtctctatta aaaatacaaa 420
 aattagccag gtgtggtagt gcatgtctgt aatcccagct acttgggagg ctgagacagg 480
 agaattgctt ggacctggga ggcggagggt gcagtgaagt gagattgcgg cattgcactc 540
 cagcctggag aacaagagtg aaactttgtc tcaaaaaaaa gaaagaaaaa aaaaaaaaaa 600
 actcga 606

<210> 107
 <211> 657
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (634)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (650)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (655)
 <223> n equals a,t,g, or c

<400> 107
 gagtttgtra acctatattc acagcattaa ctaatcatga ttcgccccat atttcactgg 60
 ttatgctttg gttatcttag aaaagaaccc agggcattta tgaggtaaaa cttgcagggc 120
 agattacagg catgagccac cgcgcctaga cttattagtc ttttttaaatg ggatgacagc 180
 agctgggrtg tatatattcc tgcaggaaaag aaaaggaaat ggcttcacat tgctggatgg 240
 gagcagtatg tgtgttggtt ctgggtataa tcttcctagc tgcacttttc ccatacattt 300
 ctttctacta aaaatcatga aagtttgaat tatagttcct ctcacaggat tgaaagcaag 360
 tatcagagga gtcattccatt caaaacacag ttcttcact gcagtatccg atatgttttg 420
 tatgtgcgct aggtgtgtctt ttcattcagt ctacaataca gttcaccagt gtggagacct 480
 tttgccctgc ctgatttggt ttgttttggt ttactcactc ttttcaatga cttttgggtt 540
 tggccagtat gaagagtaat ggatgttgga ataccttctg ccagttaaaa aaaaaaaaaa 600
 aaaaaaaagg gcggccgctc tagaaggatc caanttaagt aagcgtgtcn ctcnct 657

<210> 108

<211> 605
 <212> DNA
 <213> Homo sapiens

<400> 108
 acgagctgga aatcaatgat cagtcataaa atcagactgg gaaactragg cacagagagg 60
 ggcattggatt tgggcattgg tccagggttat gaagcacatc caccaggggtg gcctgggtgga 120
 gttaaaggcc atccctactg ggcaggatgt gctgggtgcca gttgggtgag ttcagagggtg 180
 gttgggagag agaaatgctc agagctctct gtctgtctac ctgtccctga ctctcagtgc 240
 cagcaccacac ccaccccatg gtcccccactc atccggggagc ttacagcagc ccctccacct 300
 ctatccagcc attttctcta gccataacat tgggtgactgg caaagtgtcc cagcacaagg 360
 cctggcacac agttgggtgct tagtgtttgc taaatgaatg aatggattaa taagaacgaa 420
 tattgtgcag aaaaagtaaa ttcttctgga cacttccagc ctatatgtgg aggggacaaa 480
 gttttttgtt gttgtttgtt ttgtttgtt tgtgttttt gagacagtgt cgttctgttg 540
 cccaggctgg agtgcagtgg tgcgatcaca gctcactgca gccttgatct cctcagcctc 600
 tcgta 605

<210> 109
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 109
 ggcacgagcc aacagccggt ttgaaggtag aggagagaga tgttgtggta tttkttcccc 60
 accaccccac tccctgcccc ggtgcagttt tgggtgggtgcc tgtgttgctg ctacatccat 120
 ggctcctggt ggggaccctt ctccc aaagc tccagctcct gcaatgcttc agtaactgca 180
 ctacagctcag gctgtttag acctagggcc agcagtcoca cagtgcctca ccacgcttg 240
 ttccctatgc ctgcccacac atctgtaaat agtcccttca tttcacatcc ttcagttaga 300
 ccctttgagt atgccatctg ctcccggtca ggacaatgat tgattctatc tgaatcaaac 360
 ctgtccttta tttgaacagg acatcaagtc tagaaaaaca agttaacacc ttgagataac 420
 aaacaaatcc agaatttggg accatttact agtctgggtt tttcaaagggt caatgttata 480
 aaaaaaaaaa aaaaaaactc gtag 504

<210> 110
 <211> 770
 <212> DNA
 <213> Homo sapiens

<400> 110
 gctaaaaattc aacaagggtga gtggccggca gtggaaggct gttgctcatt ctgattttctg 60
 ttggctctat ttcatgctaa mccagttttt tttgtttgtt tgtttccact ttataacata 120
 tggattttcta tgccacacta cccgtaactt tgaaaaataa ctttaggctg cagttttcag 180
 caaacaggac agtccttagc tgccacatag ctcaacataa agtgcacaaa aaacttcacg 240
 gtgggacagt gaatcataaa ttcccaaact gacgtgtgtc tacagaacag atgagaactg 300
 ttactcagtg tgtatccttag gagcttttct gcagtttctt cacactccgt cacattttaa 360
 atgtggacac ttgtttatct cattagggag gaggcgaggg actaatgtcc accctgcccc 420
 gagtatttctg aatatcctta gtgaagagga ggaaagcaag aattctgttc taaaggccac 480
 caggctaagc actagaatcg cattctcttc ctggtttgat gtttatgtca gcagttgcca 540
 cagatgtgtt aatattgttt tcctggtaga gaattaagggt gttcgttcat ctcaaaacaa 600
 atcccgtaac ctgcacacaa aactccagct tcctaattgca aagagaagag aatattgatt 660
 ataagctgct tgatattctt tttattccca gccctcaaa ataccagcct ggaagtctgg 720
 acattactaa aatttaccag tctcaaaaaa aaaaaaaaaa aaaactcgag 770

<210> 111
 <211> 751
 <212> DNA

<213> Homo sapiens

<400> 111

ccacgcgtcc	gcggaacggt	gggagtcata	tgtcttaagt	tggaaaaaag	tttcatatga	60
ttctttccca	tttcccctgt	attccttttc	attataccct	cattccttga	acagaattgt	120
tattgttttg	tttttccatc	cacaccccta	taatgcaacc	ttcctgtgta	aatttttaggc	180
ttaagctttt	ctattcacat	acttttatgc	tgaggcttgg	atttttattt	gggctgttag	240
atgcccattt	tgacattgac	attaggggtt	tcaaacccatc	cttaaaaagg	tagatgtgac	300
ttgcaatgtt	attgaacaat	ttgatgatcc	gggatattat	ggctctatga	aatctccatg	360
gttcttggag	ctagcttgtt	tttattctgg	gaagaatttt	ctagctcccc	agcttacggc	420
ctgaatgggt	agagtcacgc	cagtgcgtgt	tgactttata	gttcaaagg	ggtcatttct	480
gtggtcacta	tcctatttaa	cagtcatgtc	atgggtatgtc	aaggtaggtc	atcatacaaa	540
taatctgcat	tctgttttga	ctgtttttat	tttaaaaata	atatctcctc	cttttaaaact	600
ttaaaaaatt	tagtaaaagt	tagtaaaact	tcaaaaattt	agtaaaaaat	gtagtaaaaa	660
ttcacttcct	tcattatgct	ttttgaaatc	tggttttttt	tctcatttct	cccctattaa	720
tggttcttaa	aaaaaaaaaa	aaagggcggc	c			751

<210> 112

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (51)

<223> n equals a,t,g, or c

<400> 112

cgtcgcccgc	ttggaggggc	gncactagtg	gatccaaagg	antcggcacg	ngctaccctt	60
tgccmaagcc	taaacttcat	actagatata	caactgccta	ctggacatct	ccattttataa	120
gcctagtagc	ctaataagca	taacctcaga	cttaccaggc	ctcacactga	agtcatgaac	180
ttcagcccaa	cccccatgcc	agggcaaaac	cttggttgta	cctcttattc	ctctcttgcc	240
tcatcccatc	catgttcagt	ctgtcagtg	atcctgtgag	tccagtcttg	aggatagtgc	300
caggatctga	tcactttctc	ctgcctcttt	tgctgcccac	acctctggcc	tggataattg	360
cagcagcctc	ccagttagcc	ttgctgtgtc	catacctgtt	ttccccttct	gtctgctctc	420
aacagaggag	ctagtgatcc	tcttaggaca	gaataaatca	tttaggtttt	cttcacatgg	480
tcctgaagaa	gcttcctacc	tcactcagtg	taaaaaccaa	aaaaaaaaaa	aaaaaaaaact	540
cga						543

<210> 113

<211> 846

<212> DNA

<213> Homo sapiens

<400> 113

ggagtttttt	tttcatttta	gtttatatta	aataacaaat	atttattcct	gtgaatcagt	60
agtttacaca	gataatattg	agaggctttc	ttgggaattt	gaaaggagtc	ttcaaatcat	120

cctttccctc	agagatgaaa	aaatatttta	aaaaaattac	tgtcttgat	atttgatatt	180
ttgaaaatgg	cagggaatca	acaatttggt	aatctgttgt	taagatcagt	tatacatcca	240
gtggcatact	tcttgcttta	gaaattgggt	gaaattaata	ttgctagtga	aagtgtggaa	300
atagraaacag	ttgaaaggaa	gacaaatgag	aagtggacct	tgcttctcat	gaggatgctg	360
cagaactaga	gtggttgccc	agcaggatga	aaatctcaat	taattgcttg	acagagaatt	420
aaaacaaagg	caagtgggtg	ttttaaaaaa	gataaaaata	ggtgaatata	aagttgaaag	480
gaggccaggt	acagtggctc	acacctgtaa	tcccagcact	gtgggagccc	aaggtgggtg	540
gatggcctga	ggtcaggagt	ttgagaccag	cctggacaac	atggtgaaac	gctgtctcta	600
ctaaaaacac	aaaaattact	tgggcgtggt	ggcatagccc	tgtaatcaca	gctactccag	660
aggctgaggg	aggagaatca	cttgaacctg	gaaggtagag	gttgtagtga	gccgagatcg	720
cgycatttac	actccagcct	gggtgacaag	agcaagacta	tgtttccaaa	aaaaaaaaag	780
caactgaata	ttggatagag	aggagaaaaa	gggcaatgta	tcaaaaaaaaa	aaaaaaaaaa	840
ctcgag						846

<210> 114
 <211> 890
 <212> DNA
 <213> Homo sapiens

<400> 114	
aggttactta	60
tatgtctttt	120
caaaagcata	180
gggattaata	240
cttcaaacia	300
cttaatgcac	360
caaaacataa	420
ataaggaggg	480
ccggttagtt	540
gcattctctg	600
tgaaaaagca	660
catggtagct	720
gactctctaa	780
ataaacatct	840
gagagaagct	890

<210> 115
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 115	
Met Xaa Leu Gln Pro Asn Pro His Ala Arg Ala Lys Pro Cys Cys Tyr	
1 5 10 15	
Leu Leu Phe Leu Ser Cys Leu Ile Pro Ser Met Phe Ser Leu Ser Val	
20 25 30	
Asp Pro Val Ser Pro Val Leu Arg Ile Val Pro Gly Ser Asp His Phe	
35 40 45	
Ser Leu Pro Leu Leu Leu Pro Pro Pro Leu Ala Trp Ile Ile Ala Ala	

50 55 60
 Ala Ser Gln Leu Ala Leu Leu Cys Pro Ser Leu Phe Ser Pro Ser Val
 65 70 75 80

Cys Ser Gln Gln Arg Ser
 85

<210> 116
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals stop translation

<400> 116
 Met Ala Ala His Ser Val Leu Ser Phe Leu Leu Trp Thr Pro Tyr Ala
 1 5 10 15

Leu Lys Ser Xaa
 20

<210> 117
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals stop translation

<400> 117
 Met Leu Lys Leu Ala Thr Ile Leu Leu Thr Leu Leu Leu Lys Asn Leu
 1 5 10 15

Asp Ala Gly Leu Thr Asp Lys Leu Ser Arg Ser Asn Phe Ile Thr Asp
 20 25 30

Phe Ile Leu Thr Lys Tyr Xaa
 35

<210> 118
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (88)
 <223> Xaa equals stop translation

<400> 118

Met Leu Leu Leu Tyr Leu Gly Ile Glu Val Ile Arg Leu Phe Phe Gly
 1 5 10 15

Thr Lys Gly Asn Leu Cys Gln Arg Lys Met Pro Leu Ser Ile Ser Val
 20 25 30

Ala Leu Thr Phe Pro Ser Ala Met Met Ala Ser Tyr Tyr Leu Leu Leu
 35 40 45

Gln Thr Tyr Val Leu Arg Leu Glu Ala Ile Met Asn Gly Ile Leu Leu
 50 55 60

Phe Phe Cys Gly Ser Glu Leu Leu Leu Glu Val Leu Thr Leu Ala Ala
 65 70 75 80

Phe Ser Ser Met Asp Xaa Ile Xaa
 85

<210> 119
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals stop translation

<400> 119

Met Tyr Lys Phe Leu Tyr Leu Val Leu Glu Asp Phe Val Ala Phe Ile
 1 5 10 15

Arg Gly Ser Phe Pro Pro Gln His Thr Arg Ser Leu Val Phe Trp His
 20 25 30

Val Cys Gln Leu Glu Tyr Xaa
 35

<210> 120
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals stop translation

<400> 120

Met Met Met Met Ile Gln Thr Leu Met Val Met Ala Lys Ile Leu Cys
 1 5 10 15

Leu Lys Gln Pro Leu Ser Met Ala Gly Ser Xaa
20 25

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<210> 121
<211> 22
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (13)  
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>  
<221> SITE  
<222> (22)  
<223> Xaa equals stop translation
```

<400> 121
Met Lys Glu Asn Pro Leu Leu Leu Leu Ile Cys Ile Xaa Gly His Leu
1 5 10 15

Val Val Pro Pro Asn Xaa
20

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<210> 122
<211> 96
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (96)  
<223> Xaa equals stop translation
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<400> 122
Met Tyr Arg Asp Ser His Ser Val Leu Ala Leu Asn Trp Lys Val Val
  1                      5              10              15
```

Ala Thr Leu Lys Tyr Phe Leu Leu Tyr Val Ile Ile Leu Tyr Asn Leu
20 25 30

Glu Arg Asp Asn Gly His Ser Asn Tyr Glu Asn Tyr Glu Leu Gly Asp
35 40 45

Lys Ser Leu Asn Leu Leu Leu Phe Tyr Asn Ser Met Tyr Lys Leu Val
50 55 60

Phe Pro Tyr Ile Phe Thr Phe Ser Ser Phe Leu Ile Ser Ser Tyr Thr
65 70 75 80

Ser Ile Leu Tyr Lys Met Phe Tyr Ile Gln Arg Thr Val Lys Ser Xaa
85 90 95

<210> 123
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals stop translation

<400> 123
 Met Lys Glu Arg Thr Arg Ile Pro Cys Ala Phe Pro Phe Leu Leu Phe.
 1 5 10 15
 Gln Thr Arg Val Gln Thr Ser Pro Ala Phe Gln Pro His Pro Leu Tyr
 20 25 30
 Phe Thr Ala Xaa
 35

<210> 124
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 124
 Met Thr Ser Val Ile Val Leu Phe Ile Leu Lys Val Phe Phe Lys Tyr
 1 5 10 15
 Phe Ser Thr Thr Ser Phe Leu Asn Ala Cys Ile His Phe Ile His Lys
 20 25 30
 Cys Lys Leu Val Asn Xaa
 35

<210> 125
 <211> 342
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (342)
 <223> Xaa equals stop translation

<400> 125
 Met Leu Gln Pro Thr His Leu Ser Leu Gln Leu Arg Leu Gln Cys Leu
 1 5 10 15
 Ala Ala Ser His Leu Val Thr Leu Leu Ile Cys Leu Met Ala Pro Ala
 20 25 30

Ser Ala Thr Gly Gly Ser Ala Asp Leu Phe Gly Gly Phe Ala Asp Phe
 35 40 45
 Gly Ser Ala Ala Ala Ser Gly Ser Phe Pro Ser Gln Val Thr Ala Thr
 50 55 60
 Ser Gly Asn Gly Asp Phe Gly Asp Trp Ser Ala Phe Asn Gln Ala Pro
 65 70 75 80
 Ser Gly Pro Val Ala Ser Ser Gly Glu Phe Phe Gly Ser Ala Ser Gln
 85 90 95
 Pro Ala Val Glu Leu Val Ser Gly Ser Gln Ser Ala Leu Gly Pro Pro
 100 105 110
 Pro Ala Ala Ser Asn Ser Ser Asp Leu Phe Asp Leu Met Gly Ser Ser
 115 120 125
 Gln Ala Thr Met Thr Ser Ser Gln Ser Met Asn Phe Ser Met Met Ser
 130 135 140
 Thr Asn Thr Val Gly Leu Gly Leu Pro Met Ser Arg Ser Gln Pro Leu
 145 150 155 160
 Gln Asn Val Ser Thr Val Leu Gln Lys Pro Asn Pro Leu Tyr Asn Gln
 165 170 175
 Asn Thr Asp Met Val Gln Lys Ser Val Ser Lys Thr Leu Pro Ser Thr
 180 185 190
 Trp Ser Asp Pro Ser Val Asn Ile Ser Leu Asp Asn Leu Leu Pro Gly
 195 200 205
 Met Gln Pro Ser Lys Pro Gln Gln Pro Ser Leu Asn Thr Met Ile Gln
 210 215 220
 Gln Gln Asn Met Gln Gln Pro Met Asn Val Met Thr Gln Ser Phe Gly
 225 230 235 240
 Ala Val Asn Leu Ser Ser Pro Ser Asn Met Leu Pro Val Arg Pro Gln
 245 250 255
 Thr Asn Ala Leu Ile Gly Gly Pro Met Pro Met Ser Met Pro Asn Val
 260 265 270
 Met Thr Gly Thr Met Gly Met Ala Pro Leu Gly Asn Thr Pro Met Met
 275 280 285
 Asn Gln Ser Met Met Gly Met Asn Met Asn Ile Gly Met Ser Ala Ala
 290 295 300
 Gly Met Gly Leu Thr Gly Thr Met Gly Met Gly Met Pro Asn Ile Ala
 305 310 315 320
 Met Thr Ser Gly Thr Val Gln Pro Lys Gln Asp Ala Phe Ala Asn Phe
 325 330 335
 Ala Asn Phe Ser Lys Xaa

340

<210> 126
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (139)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (217)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (219)
 <223> Xaa equals stop translation

<400> 126
 Met Val Ser Trp Met Ile Cys Arg Leu Val Val Leu Val Phe Gly Met
 1 5 10 15

Leu Cys Pro Ala Tyr Ala Ser Tyr Lys Ala Val Lys Thr Lys Asn Ile
 20 25 30

Arg Glu Tyr Val Arg Trp Met Met Tyr Trp Ile Val Phe Ala Leu Phe
 35 40 45

Met Ala Ala Glu Ile Val Thr Asp Ile Phe Ile Ser Trp Phe Pro Phe
 50 55 60

Tyr Tyr Glu Ile Lys Met Ala Phe Val Leu Trp Leu Leu Ser Pro Tyr
 65 70 75 80

Thr Lys Gly Ala Ser Cys Phe Thr Ala Ser Leu Ser Thr Arg Pro Cys
 85 90 95

Pro Ala Met Arg Arg Arg Ser Thr Arg Thr Ser Cys Arg Pro Arg Ser
 100 105 110

Ala Ala Thr Arg Pro Cys Ser Ala Ser Gly Ser Gly Ala Ser Thr Leu
 115 120 125

Pro Pro Pro Leu Leu Cys Arg Leu Pro Pro Xaa Val Arg Gly Arg Trp
 130 135 140

Pro Ala Gly Cys Gly Ala Ser Pro Cys Arg Thr Cys Ala Pro Ser Leu
 145 150 155 160

Thr His Leu Pro Leu Pro Thr Met Thr Pro Ser Thr Trp Arg Thr Arg
 165 170 175

Cys Pro Thr Gly Gly His Pro Leu Gly Thr Gly Pro Gly Ala Cys Arg
 180 185 190

Thr Ala Thr Pro Arg Met Ser Val Gly Gln Ile Leu Arg Gln Ser Pro
 195 200 205

Gly Arg Gln Pro Gly Pro Glu Arg Xaa Pro Xaa
 210 215

<210> 127

<211> 266

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (161)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (197)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE
 <222> (230)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (235)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (244)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (245)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (247)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (266)
 <223> Xaa equals stop translation

<400> 127
 Met Ser Met Ala Val Glu Thr Phe Gly Phe Phe Met Ala Thr Xaa Gly
 1 5 10 15

Leu Leu Met Leu Gly Val Thr Leu Pro Asn Ser Tyr Trp Arg Val Ser
 20 25 30

Thr Val His Gly Asn Val Ile Thr Thr Asn Thr Ile Phe Glu Asn Leu
 35 40 45

Trp Phe Ser Cys Ala Thr Asp Ser Leu Gly Val Tyr Asn Cys Trp Glu
 50 55 60

Phe Pro Ser Met Leu Ala Leu Ser Gly Tyr Ile Gln Ala Cys Arg Ala
 65 70 75 80

Leu Met Ile Thr Ala Ile Leu Leu Gly Phe Leu Gly Leu Leu Leu Xaa
 85 90 95

Ile Xaa Gly Leu Arg Cys Thr Asn Ile Gly Gly Leu Glu Leu Ser Arg
 100 105 110

Lys Ala Lys Leu Ala Ala Xaa Ala Gly Ala Leu His Ile Leu Ala Gly
 115 120 125

Ile Cys Gly Met Val Ala Ile Ser Trp Tyr Ala Ser Thr Ser Pro Gly
 130 135 140

Thr Ser Ser Thr Pro Cys Thr Pro Glu Pro Ser Thr Ser Trp Ala Pro
 145 150 155 160

Xaa Ser Thr Trp Gly Gly Ala Pro His Xaa Ser Pro Ser Trp Val Ala
 165 170 175
 Ser Ala Ser Ala Pro Pro Ala Ala Ala Ala Leu Thr Xaa Thr Ser Arg
 180 185 190
 Gln Arg Pro Ala Xaa Leu Pro Xaa Ser Arg Val Arg Asp Ala Arg Arg
 195 200 205
 His Leu Gly Pro Arg Arg Arg Gln Gln Leu Trp Gln Ile Arg Gln Lys
 210 215 220
 Arg Leu Arg Val Ala Xaa Leu Ala Arg Gly Xaa Arg Cys Leu Pro Thr
 225 230 235 240
 Ala Pro Arg Xaa Xaa Asp Xaa Ala Gly Ala His Ser Pro Ile Val Thr
 245 250 255
 Ser Gly Ala Gly His Ala Pro Leu Pro Xaa
 260 265

<210> 128
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals stop translation

<400> 128
 Met Leu Phe Ile Tyr Leu Phe Val Phe Pro Ile Arg Ile Gly Ser Glu
 1 5 10 15
 Lys Ala Lys Thr Val Ser Val Leu Leu Ile Ile Val Ser Leu Thr Ala
 20 25 30
 Arg Pro Leu Ala Gly Phe Xaa
 35

<210> 129
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals stop translation

<400> 129
 Met Leu Leu Tyr Leu Tyr Ser Leu Gly Ile Ser Val Leu Ile Ile Ser
 1 5 10 15
 Phe Pro Thr Asn Ser Ser Ile His Val Arg Lys Asn Met Ala Asn Gln

20	25	30
Tyr Leu Lys Gly Ala Ile Phe Gln Ser Ser Gly Phe Gln Ser Val Ala		
35	40	45
Gly Gln His Trp Gln His Leu Asn Leu Leu Gly Thr Leu Leu Lys Met		
50	55	60
Gln Ile Leu Ser Pro Thr Leu Val Leu Leu Asn Trp Glu Thr Gly Val		
65	70	75
Gly Pro Ser Ser Leu Cys Phe Asn Met Phe Ser Lys Xaa		
85	90	

<210> 130

<211> 196

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (196)

<223> Xaa equals stop translation

<400> 130

Met Glu Leu Ser Glu Ser Val Gln Lys Gly Phe Gln Met Leu Ala Asp		
1	5	10
Pro Arg Ser Phe Asp Ser Asn Ala Phe Thr Leu Leu Leu Arg Ala Ala		
20	25	30
Phe Gln Ser Leu Leu Asp Ala Gln Ala Asp Glu Ala Val Leu Asp His		
35	40	45
Pro Asp Leu Lys His Ile Asp Pro Val Val Leu Lys His Cys His Ala		
50	55	60
Ala Ala Ala Thr Tyr Ile Leu Glu Ala Gly Lys His Arg Ala Asp Lys		
65	70	75
Ser Thr Leu Ser Thr Tyr Leu Glu Asp Cys Lys Phe Asp Arg Glu Arg		
85	90	95
Ile Glu Leu Phe Cys Thr Glu Tyr Gln Asn Asn Lys Asn Ser Leu Glu		
100	105	110
Ile Leu Leu Gly Ser Ile Gly Arg Ser Leu Pro His Ile Thr Asp Val		
115	120	125
Ser Trp Arg Leu Glu Tyr Gln Ile Lys Thr Asn Gln Leu His Arg Met		
130	135	140
Tyr Arg Pro Ala Tyr Leu Val Thr Leu Ser Val Gln Asn Thr Asp Ser		
145	150	155
Pro Ser Tyr Pro Glu Ile Ser Phe Ser Cys Ser Met Glu Gln Leu Gln		
165	170	175

Asp Leu Val Gly Lys Leu Lys Asp Ala Ser Lys Ser Leu Glu Arg Ala
 180 185 190

Thr Gln Leu Xaa
 195

<210> 131
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 131
 Met Ala Ser Ile Leu Leu Leu Leu Val Leu Ser His Ser Cys Cys Cys
 1 5 10 15

Lys Asn Thr Cys Leu Gln Val Leu Cys Asn Phe Asp Ser Val His Asn
 20 25 30

Leu Ser Thr Leu Ile Leu Lys Ile Ile Ile Arg Val Asp Val Leu Val
 35 40 45

Tyr

<210> 132
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals stop translation

<400> 132
 Met Val Tyr Cys Val His Leu Asn Pro Phe Thr Asp Leu Cys Cys Ile
 1 5 10 15

Phe Phe Met Pro Leu Leu Cys Phe Leu Leu Arg Ser Arg Val Asp Ser
 20 25 30

Ile Ser Ile Pro Ser Leu Thr Leu Leu Glu Ala Cys Asn Ser Ile Tyr
 35 40 45

Cys Ser Gly Ser Ser Ala Xaa
 50 55

<210> 133
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals stop translation

<400> 133

Met Gly Val Asn Lys Val Leu Phe Thr Phe Phe Phe Phe Ser Ser Leu
 1 5 10 15

Leu Asp Gly Val Gly Thr Ser His Ser Leu Ala Ser Phe Pro His Thr
 20 25 30

Xaa

<210> 134

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 134

Met Trp Pro Leu Leu Leu Arg Leu Leu Phe Leu His Leu Phe Leu Ala
 1 5 10 15

Lys Asn Lys Leu Ile Phe Lys Xaa
 20

<210> 135

<211> 220

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (68)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (87)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (220)

<223> Xaa equals stop translation

<400> 135

Met Ala Glu Ile His Thr Pro Tyr Ser Ser Leu Lys Lys Leu Leu Ser
 1 5 10 15

Leu Leu Asn Gly Phe Val Ala Val Ser Gly Ile Ile Leu Val Gly Leu
 20 25 30
 Gly Ile Gly Gly Lys Cys Gly Gly Ala Ser Leu Thr Asn Val Leu Gly
 35 40 45
 Leu Ser Ser Ala Tyr Leu Leu His Val Gly Asn Leu Cys Leu Val Met
 50 55 60
 Gly Cys Ile Xaa Val Leu Leu Gly Cys Ala Gly Trp Tyr Gly Ala Thr
 65 70 75 80
 Lys Glu Ser Arg Gly Thr Xaa Leu Phe Val Gly Asp Val Ala Leu Glu
 85 90 95
 His Xaa Phe Val Thr Leu Arg Lys Asn Tyr Arg Gly Tyr Asn Glu Pro
 100 105 110
 Asp Asp Tyr Ser Thr Gln Trp Asn Leu Val Met Glu Lys Leu Lys Cys
 115 120 125
 Cys Gly Val Asn Asn Tyr Thr Asp Phe Ser Gly Ser Ser Phe Glu Met
 130 135 140
 Thr Thr Gly His Thr Tyr Pro Arg Ser Cys Cys Lys Ser Ile Gly Ser
 145 150 155 160
 Val Ser Cys Asp Gly Arg Asp Val Ser Pro Asn Val Ile His Gln Lys
 165 170 175
 Gly Cys Phe His Lys Leu Leu Lys Ile Thr Lys Thr Gln Ser Phe Thr
 180 185 190
 Leu Ser Gly Ser Ser Leu Gly Ala Ala Val Ile Gln Leu Pro Gly Ile
 195 200 205
 Leu Ala Thr Leu Leu Leu Phe Ile Lys Leu Gly Xaa
 210 215 220

<210> 136

<211> 303

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (303)

<223> Xaa equals stop translation

<400> 136

Met Ile Gly Ile Ser Ala Ser Phe Ser Ala Leu Leu Glu Gln Ile Leu
 1 5 10 15

Cys Ala Ser Gly His Ser Ser Gly Phe Ser Gly Leu Cys Gly Ala Leu
 20 25 30

Phe Ile Thr Phe Gly Ile Leu Gly Ala Leu Ala Leu Gly Pro Tyr Val
 35 40 45

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Asp Arg Thr Lys His Phe Thr Glu Ala Thr Lys Ile Gly Leu Cys Leu
  50          55          60
Phe Ser Leu Ala Cys Val Pro Phe Ala Leu Val Ser Gln Leu Gln Gly
  65          70          75          80
Gln Thr Leu Ala Leu Ala Ala Thr Cys Ser Leu Leu Gly Leu Phe Gly
          85          90          95
Phe Ser Val Gly Pro Val Ala Met Glu Leu Ala Val Glu Cys Ser Phe
      100          105          110
Pro Val Gly Glu Gly Ala Ala Thr Gly Met Ile Phe Val Leu Gly Gln
      115          120          125
Ala Glu Gly Ile Leu Ile Met Leu Ala Met Thr Ala Leu Thr Val Arg
      130          135          140
Arg Ser Glu Pro Ser Leu Ser Thr Cys Gln Gln Gly Glu Asp Pro Leu
      145          150          155          160
Asp Trp Thr Val Ser Leu Leu Leu Met Ala Gly Leu Cys Thr Phe Phe
          165          170          175
Ser Cys Ile Leu Ala Val Phe Phe His Thr Pro Tyr Arg Arg Leu Gln
      180          185          190
Ala Glu Ser Gly Glu Pro Pro Ser Thr Arg Asn Ala Val Gly Gly Ala
      195          200          205
Asp Ser Gly Pro Gly Val Asp Arg Gly Gly Ala Gly Arg Ala Gly Val
      210          215          220
Leu Gly Pro Ser Thr Ala Thr Pro Glu Cys Thr Ala Arg Gly Ala Ser
      225          230          235          240
Leu Glu Asp Pro Arg Gly Pro Gly Ser Pro His Pro Ala Cys His Arg
          245          250          255
Ala Thr Pro Arg Ala Gln Gly Pro Ala Ala Thr Asp Ala Pro Ser Arg
          260          265          270
Pro Gly Arg Leu Ala Gly Arg Val Gln Ala Ser Arg Phe Ile Asp Pro
      275          280          285
Ala Gly Ser His Ser Ser Phe Ser Ser Pro Trp Val Ile Thr Xaa
      290          295          300

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<210> 137

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals stop translation

<400> 137

Met Arg Leu Val Pro Ser His Leu Leu Ala Ile Leu Ile Asn Ile Lys
 1 5 10 15

Asp Gln Met Met Cys Phe Cys Ile Ala Leu Met Met Arg Leu Ser Ser
 20 25 30

Cys Ile Ala Ser Ser Gly Pro Trp Xaa
 35 40

<210> 138

<211> 278

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (278)

<223> Xaa equals stop translation

<400> 138

Met Ser Phe Asn Leu Gln Ser Ser Lys Lys Leu Phe Ile Phe Leu Gly
 1 5 10 15

Lys Ser Leu Phe Ser Leu Leu Glu Ala Met Ile Phe Ala Leu Leu Pro
 20 25 30

Lys Pro Arg Lys Asn Val Ala Gly Glu Ile Val Leu Ile Thr Gly Ala
 35 40 45

Gly Ser Gly Leu Gly Arg Leu Leu Ala Leu Gln Phe Ala Arg Leu Gly
 50 55 60

Ser Val Leu Val Leu Trp Asp Ile Asn Lys Glu Gly Asn Glu Glu Thr
 65 70 75 80

Cys Lys Met Ala Arg Glu Ala Gly Ala Thr Arg Val His Ala Tyr Thr
 85 90 95

Cys Asp Cys Ser Gln Lys Glu Gly Val Tyr Arg Val Ala Asp Gln Val
 100 105 110

Lys Lys Glu Val Gly Asp Val Ser Ile Leu Ile Asn Asn Ala Gly Ile
 115 120 125

Val Thr Gly Lys Lys Phe Leu Asp Cys Pro Asp Glu Leu Met Glu Lys
 130 135 140

Ser Phe Asp Val Asn Phe Lys Ala His Leu Trp Thr Tyr Lys Ala Phe
 145 150 155 160

Leu Pro Ala Met Ile Ala Asn Asp His Gly His Leu Val Cys Ile Ser
 165 170 175

Ser Ser Ala Gly Leu Ser Gly Val Asn Gly Leu Ala Asp Tyr Cys Ala
 180 185 190

Ser Lys Phe Ala Ala Phe Gly Phe Ala Glu Ser Val Phe Val Glu Thr
 195 200 205

Phe Val Gln Lys Gln Lys Gly Ile Lys Thr Thr Ile Val Cys Pro Phe
 210 215 220

Phe Ile Lys Thr Gly Met Phe Glu Gly Cys Thr Thr Gly Cys Pro Ser
 225 230 235 240

Leu Leu Pro Ile Leu Glu Pro Lys Tyr Ala Val Glu Lys Ile Val Glu
 245 250 255

Ala Ile Leu Gln Glu Lys Met Tyr Leu Tyr Met Pro Lys Val Val Ile
 260 265 270

Leu His Asp Val Ser Xaa
 275

<210> 139
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals stop translation

<400> 139
 Met Leu Thr Phe Leu Met Leu Val Arg Leu Ser Thr Leu Cys Pro Ser
 1 5 10 15

Ala Val Leu Gln Arg Leu Asp Arg Leu Val Glu Pro Leu Arg Ala Thr
 20 25 30

Cys Thr Thr Lys Val Lys Ala Asn Ser Val Lys Gln Glu Phe Glu Lys
 35 40 45

Gln Asp Glu Leu Lys Arg Ser Ala Met Arg Ala Val Ala Ala Leu Leu
 50 55 60

Thr Ile Pro Glu Ala Glu Lys Ser Pro Leu Met Ser Glu Phe Gln Ser
 65 70 75 80

Gln Ile Ser Ser Asn Pro Glu Leu Ala Ala Ile Phe Glu Ser Ile Gln
 85 90 95

Lys Asp Ser Ser Ser Thr Asn Leu Glu Ser Met Asp Thr Ser Xaa
 100 105 110

<210> 140
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (133)

<223> Xaa equals stop translation

<400> 140

```

Met Arg Ala Leu His Phe Ser Ser Arg His Asn Lys Asp Ile Ala Leu
 1              5              10              15

Val Asn Leu Ala Asn Val Leu His Arg Ala His Phe Ser Ala Asp Ala
      20              25              30

Ala Val Val Val His Ala Ala Leu Asp Asp Ser Asp Phe Phe Thr Ser
      35              40              45

Tyr Tyr Thr Leu Gly Asn Ile Tyr Ala Met Leu Gly Glu Tyr Asn His
 50              55              60

Ser Val Leu Cys Tyr Asp His Ala Leu Gln Ala Arg Pro Gly Phe Glu
 65              70              75              80

Gln Ala Ile Lys Arg Lys His Ala Val Leu Cys Gln Gln Lys Leu Glu
      85              90              95

Gln Lys Leu Glu Ala Gln His Arg Ser Leu Gln Arg Thr Leu Asn Glu
      100              105              110

Leu Lys Glu Tyr Gln Lys Gln His Asp His Tyr Leu Arg Pro Gly Asn
      115              120              125

Pro Arg Lys Thr Xaa
      130

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<210> 141

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals stop translation

<400> 141

```

Met Glu Thr Leu Gly Ala Leu Leu Val Leu Glu Phe Leu Leu Leu Ser
 1              5              10              15

Pro Val Glu Ala Gln Gln Ala Thr Glu His Arg Leu Lys Pro Trp Leu
      20              25              30

Val Gly Leu Ala Ala Val Val Gly Phe Leu Phe Ile Val Tyr Leu Val
      35              40              45

Leu Leu Ala Asn Arg Leu Trp Cys Ser Lys Ala Arg Ala Glu Asp Glu
 50              55              60

Glu Glu Thr Thr Phe Arg Met Glu Ser Asn Leu Tyr Gln Asp Gln Ser
 65              70              75              80

Glu Asp Lys Arg Glu Lys Lys Glu Ala Lys Glu Lys Glu Glu Lys Arg

```


85 90 95

Lys Lys Glu Lys Lys Thr Ala Lys Glu Gly Glu Ser Asn Leu Gly Leu
100 105 110

Asp Leu Glu Glu Lys Glu Pro Gly Asp His Glu Arg Ala Lys Ser Thr
115 120 125

Val Met Xaa
130

<210> 142
<211> 106
<212> PRT
<213> Homo sapiens
<220>
<221> SITE
<222> (106)
<223> Xaa equals stop translation

<400> 142
Met Thr His Arg Arg His Cys Gly Leu Ala Arg Trp Ile Leu Met Lys
1 5 10 15

Ile Phe Cys Trp Arg Val Ser Thr Val Thr Ser Thr Ala Gly Ala Leu
20 25 30

Thr Asn Pro His Ser Cys Tyr Thr Ser Val Leu Lys Val Gly Ala Thr
35 40 45

Gly Val Gly Gln Ser Leu Ser Val Trp Thr Met Pro Gly Leu Leu Leu
50 55 60

Glu Gln Phe Ser Thr Gly Val Glu Leu Leu Leu Ser Ser Ser Arg Phe
65 70 75 80

Ser Asn Ser Met Glu Tyr Lys Asn Arg Leu Ser Ser Val Glu Asp Arg
85 90 95

Ser Ser Val Val Thr Cys Leu Lys Ala Xaa
100 105

<210> 143
<211> 62
<212> PRT
<213> Homo sapiens
<220>
<221> SITE
<222> (62)
<223> Xaa equals stop translation

<400> 143
Met Pro Leu Ala Leu Leu Ala Thr Trp Leu Ser Cys Leu Pro Ser Leu
1 5 10 15

Val Leu Thr Tyr Tyr Ser Arg Ser Asn Gln Lys Met Pro Trp Thr Leu
 20 25 30

Ala Ser Pro Phe Ser Ser Met Ala Ser Thr Met Glu Phe Trp Asn Gly
 35 40 45

Thr Leu Gln Lys Cys Val Gln Thr Thr Trp His Leu Pro Xaa
 50 55 60

<210> 144

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 144

Met Lys Ala Thr Leu Lys Leu Leu Pro Thr Ile Val Val Ile Tyr Cys
 1 5 10 15

Leu Leu Cys Pro Val Pro Arg Gln Ile Leu Gly Val Pro Ser Trp Ala
 20 25 30

Pro Gly Lys Cys Leu Xaa
 35

<210> 145

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 145

Met Leu Thr Ser Ser Ser Asn Leu Ile Ser Trp Val Leu Pro Glu Leu
 1 5 10 15

Ser Ser Leu Leu Trp Val Phe Leu Phe Trp Lys Arg Gln Cys Gly Asp
 20 25 30

Trp Ala Gly Arg Lys Thr Arg Ser Arg Val Ser Gly Val Val Thr Asn
 35 40 45

Phe Pro Leu His Ser Pro Ser Leu Arg Tyr Ser Ser Phe Leu Glu Xaa
 50 55 60

<210> 146

<211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals stop translation

<400> 146

Met	Leu	Phe	Cys	Ile	Leu	Leu	Tyr	Thr	Leu	Gly	Ser	Ala	Arg	Cys	His
1				5					10					15	
His	Leu	Ser	Phe	Phe	Leu	Trp	Gly	Trp	Ser	Asn	Pro	Pro	Glu	Lys	Thr
			20					25					30		
Pro	Leu	Ala	Ser	Trp	Arg	Gly	Val	Lys	Ala	Arg	Leu	Pro	Gly	Pro	Gly
		35					40					45			
Cys	Gln	Leu	Leu	Gly	Ala	Ala	Gly	Ala	Glu	Ala	Gly	Ser	Cys	Gln	Ala
	50					55					60				
Phe	Ser	Gln	Gln	Asp	Ala	Leu	Ser	Thr	His	Leu	Gly	Phe	Arg	Ile	Pro
65					70					75					80
Leu	Pro	His	Leu	Gln	Met	Gly	Gln	Met	Ser	Pro	Lys	Pro	Ala	Ala	Pro
				85					90						95
Phe	Cys	Phe	Thr	Leu	Ser	Thr	Glu	Xaa							
				100				105							

<210> 147
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 147

Met	Gly	Pro	Trp	Cys	Leu	Thr	Leu	Leu	Ser	Thr	Thr	Ser	Gly	Phe	Phe
1				5					10					15	
Ser	Glu	Asn	Leu	Tyr	Leu	Thr	Leu	Ile	Leu	Ser	Phe	Leu	Leu	Ser	Ile
			20					25					30		
Glu	Ser	Val	Asn	Thr	Asp	Pro	Phe	Ile	Phe	Gln	Phe	Pro	Lys	Ser	Cys
		35					40					45			
Phe	Ala	Ile	Ala	Ser	Ile	Leu	Leu	Ser	Gly	Gly	Val	Xaa			
	50					55					60				

<210> 148
 <211> 37
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 148

Met Gly Cys Thr Ala Leu Leu Leu Leu Phe His Leu Cys Val Pro Cys
1 5 10 15

Glu Pro Tyr Gly Thr His Glu Lys Glu Leu Val Pro Gly Leu Tyr Phe
20 25 30

Leu Val Tyr Arg Xaa
35

<210> 149

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals stop translation

<400> 149

Met Cys Lys Phe Ile Tyr Val Pro His Ser Val Leu Leu Val Tyr Val
1 5 10 15

Phe Thr Phe Val Leu Ile Pro Asn Cys Tyr Asn Ser Val Ala Leu Xaa
20 25 30

<210> 150

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals stop translation

<400> 150

Met Ser Leu Ala Leu Cys Leu Val Pro Leu Val Arg Glu Gly His Xaa
1 5 10 15

<210> 151

<211> 59

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals stop translation

<400> 151
 Met Ile Ile Ser Ser Ile Arg Cys Leu Val Leu Gly Ile Glu Cys Val
 1 5 10 15
 Ser Ala Val Cys Gln Asn Leu Leu Leu Gly Glu Phe Pro His Trp Glu
 20 25 30
 Arg Asp Pro Gly Asn Gly Met Val Leu Glu Gly Leu Leu Asn Thr Phe
 35 40 45
 Pro Trp Glu Gly Ser Cys Tyr Leu Gln Gly Xaa
 50 55

<210> 152
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals stop translation

<400> 152
 Met Leu Lys Thr Trp Phe Phe Val Met Ala Val Ile Gly Val Ile Ile
 1 5 10 15
 Pro Thr Val Phe Asp Gln Ser Ser Arg Leu Cys Leu Lys Glu Thr Gly
 20 25 30
 Phe Val Gln Asn Val Asp Gln Ser Asn Val Leu Glu Asp Ser Pro Leu
 35 40 45
 Asp Arg Asp His Pro Trp Lys Val Met Lys Met Trp Lys Thr Val Trp
 50 55 60
 Glu Val Arg Met Met Lys Leu Met Ala Met Lys Lys Lys Val Lys Val
 65 70 75 80
 Arg Arg Lys Ser Met Arg Xaa
 85

<210> 153
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (53)

<223> Xaa equals stop translation

<400> 153

Met Asp Ile Cys Ser Pro Val Ala Leu Tyr Phe Leu Leu Thr Ala Ala
1 5 10 15

His Ile Thr Ala Val Ser Lys Pro Thr Val Met Leu Arg Glu Arg Pro
20 25 30

Cys Ser Gly Pro Ser Arg Ser Ala Pro Gln Ser Arg Leu Ile Gly Pro
35 40 45

Trp Asp Xaa Cys Xaa
50

<210> 154

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals stop translation

<400> 154

Met Ala Leu Lys Asn Lys Phe Ser Cys Leu Trp Ile Leu Gly Leu Cys
1 5 10 15

Leu Val Ala Thr Thr Ser Ser Lys Ile Pro Ser Ile Thr Asp Pro His
20 25 30

Phe Ile Asp Asn Cys Ile Glu Ala His Asn Glu Trp Arg Gly Lys Val
35 40 45

Asn Pro Pro Ala Ala Asp Met Lys Tyr Met Ile Trp Asp Lys Gly Leu
50 55 60

Ala Lys Met Ala Lys Ala Trp Gly Lys Pro Val Gln Ile Xaa
65 70 75

<210> 155

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 155

```

Met Leu Gln Ala Ala Ser Leu Ser Leu Val Thr Trp Val Val Cys Thr
 1              5              10              15
Val Trp Leu Glu Thr Thr Val Pro Pro Ser Leu Pro Glu Pro Pro Met
              20              25              30
Trp Pro Leu Ser Ser Asp Ser Ser Trp Ser Leu Trp Ile Ser Thr Gly
              35              40              45
Met Ala Pro Ala Pro Ser Ser Ser Thr Arg Ser Phe Ser Val Leu Pro
              50              55              60
Glu Ile Cys Phe Cys Leu Trp Xaa
 65              70

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<210> 156

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals stop translation.

<400> 156

```

Met Leu Gln Glu Val Lys Leu Asp Phe Leu Trp Leu Leu Asn Leu Pro
 1              5              10              15
Leu Ile Leu Leu Phe Ser Ile Leu Glu Ser Ser Met Lys Ile Cys Thr
              20              25              30
Asn Ala Met Phe Thr Arg Thr Gly Xaa
              35              40

```

<210> 157

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 157

```

Met Glu Val Trp His Gly Leu Val Ile Ala Val Val Ser Leu Phe Leu
 1              5              10              15
Gln Ala Cys Phe Leu Thr Ala Ile Asn Tyr Leu Leu Ser Arg His Met
              20              25              30
Gly Asn Trp Leu Ser Ile Leu Phe Pro Pro Ser His Ser Gln Arg Pro
              35              40              45
Phe Ser Ser Leu Gln Gln Asp Arg Pro Phe Gly Val Pro Lys Arg His

```

50

55

60

Ser Lys Thr Thr Arg Gly Pro Thr Gly Gln Ile Pro Ser His Arg Ser
 65 70 75 80

Pro Ser Pro Gln Xaa
 85

<210> 158

<211> 96

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals stop translation

<400> 158

Met Ala Glu Pro Ile Ala Cys Leu Cys Leu Ile Cys Cys Ile Ile Ile
 1 5 10 15

Ser Ala Thr Thr Gln Met Pro Phe Glu Gly Ser Cys Phe Cys Leu Val
 20 25 30

Pro Cys Asn Phe Gln Pro Tyr Phe Arg His Phe Arg Pro Asn Asp Leu
 35 40 45

Arg His Met Val Phe Thr His Gly Leu Trp Ala Leu Glu Lys Leu Ser
 50 55 60

Pro Leu Lys Glu Asn Gln Asn Val Ala Cys Ile Cys Ile Phe Cys Leu
 65 70 75 80

Arg Phe His Leu Ile Leu Lys Trp Ile Leu Asp Ser Pro Lys Val Xaa
 85 90 95

<210> 159

<211> 89

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (89)

<223> Xaa equals stop translation

<400> 159

Met Trp Ala Val Leu Pro Ala Trp Phe Pro Phe Pro Gly Thr Cys His
 1 5 10 15

Cys Leu Pro Val Ser Leu Arg Gly His Phe Trp Glu Val Arg Pro Trp
 20 25 30

Pro Pro Gly Pro Leu Phe Arg Ser Glu Ala Pro Thr Cys Leu Gly Ser
 35 40 45

Gly Ser Ser Gly Val Arg Pro Cys Pro Pro Gln Asp Ile Pro Ser Lys
 50 55 60

Pro Ala Met Ser Gly Asp Gly Pro Leu Pro Gly Lys Val Leu Phe Leu
 65 70 75 80

Leu Val Thr Glu Lys Asn Leu Pro Xaa
 85

<210> 160
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 160
 Met Ser Ala Leu Ser Phe Thr Ser Tyr Phe Leu Leu Leu Leu Arg Val
 1 5 10 15

Lys Pro Val Glu Val Ser Gly Ser Ile Pro His Pro Glu Gln Pro Asn
 20 25 30

Val Leu Cys Leu Val Leu Pro Thr Phe Gly Tyr Xaa
 35 40

<210> 161
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 161
 Met Cys Cys Phe Phe Leu Lys Thr Leu Asn Leu Trp Leu Gly Tyr Phe
 1 5 10 15

Cys Gln Phe Ile Cys Leu Pro Cys Gln Val Thr Leu Cys Leu Ile Asp
 20 25 30

Val Leu Cys Val Phe His Ser Val His Ala Glu Leu Ser Xaa
 35 40 45

<210> 162
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 162

Met	Tyr	Leu	Phe	Leu	Lys	Thr	Leu	Leu	Ser	Phe	Ser	Thr	Leu	Met	Met
1				5					10					15	
Thr	Thr	Ala	Leu	Ser	Phe	Met	Val	Ile	Thr	Val	Leu	Trp	Val	Leu	Leu
			20					25					30		
Leu	His	Leu	Leu	Ala	Asn	Ile	Cys	Ile	Pro	Arg	Lys	Cys	Ser	Phe	Ala
		35					40					45			
Cys	Phe	Tyr	Ile	Asn	Gly	Ile	Leu	Leu	His	Ala	Val	Phe	Xaa		
	50					55					60				

<210> 163
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 163

Met	Val	Ser	Leu	Leu	Ser	Leu	Thr	Phe	His	Gln	Phe	Val	Ser	Ser	Leu
1				5					10					15	
Lys	Tyr	Phe	Lys	Leu	Leu	Ser	Thr	Ser	Arg	Gln	Glu	Ile	Leu	Xaa	
			20					25					30		

<210> 164
 <211> 94
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 164

Met	Xaa	Ala	Ile	Ser	Ala	His	Cys	Asn	Leu	Tyr	Leu	Pro	Gly	Ser	Ser
1				5					10					15	
Asp	Ser	Pro	Ala	Ser	Ala	Ser	Gly	Val	Ala	Val	Ile	Thr	Gly	Val	Cys
			20					25					30		
His	His	Ala	Gln	Val	Ile	Phe	Val	Phe	Leu	Val	Glu	Thr	Ala	Phe	His
		35					40					45			
His	Val	Val	Gln	Ala	Gly	Leu	Lys	Leu	Leu	Thr	Ser	Gly	His	Pro	Pro

50

55

60

Thr Leu Gly Ser His Ser Ala Gly Ile Thr Gly Val Ser His Cys Thr
 65 70 75 80

Trp Pro Pro Phe Asn Phe Ile Phe Thr Tyr Phe Tyr Leu Phe
 85 90

<210> 165
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals stop translation

<400> 165
 Met Glu Asn Pro Thr Ser Thr Pro Thr Leu Pro Cys Phe Leu Phe Phe
 1 5 10 15

Phe Ser Pro Arg Ser Leu Asp Val Leu Thr Pro Pro His Cys Leu Leu
 20 25 30

Ser Gly Thr Gly Trp Asp Leu Glu Glu Asp Lys Ala Phe Leu Asp Tyr
 35 40 45

Pro Ser Tyr Ser Val Ser Leu Phe Leu Thr Gln Arg Gly Arg Gln Asn
 50 55 60

Gln Ser Gly Leu Phe Gln Xaa
 65 70

<210> 166
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 166
 Met Arg Ile His Pro Ile Phe Arg Leu Gly Asn Val Tyr Ser Leu Leu
 1 5 10 15

Ser Phe Leu Ile Leu Gly Arg Val Ser Thr Lys Asn Ser Ile Glu Glu
 20 25 30

Lys Gln Tyr Asn Ile Lys Ile Lys Lys Ile Xaa
 35 40

<210> 167
 <211> 65

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals stop translation

<400> 167
 Met Glu Lys Leu Leu Thr Leu Tyr Leu Leu Leu Tyr Val Ser Tyr Trp
 1 5 10 15
 Ser Val Ser Pro Thr Gly Gln Gly Ala Gly Leu Phe Ile Ala Gln Ser
 20 25 30
 Ser Ala Pro Gly Leu Arg Gln Thr His Ser Arg His Leu Gly Asn Ala
 35 40 45
 Trp Glu Arg Lys Glu Gly Arg Arg Glu Glu Gly Leu His Gly His Val
 50 55 60
 Xaa
 65

<210> 168
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals stop translation

<400> 168
 Met Leu Phe Ser Leu Pro Arg Thr Phe Ser Ser His Ser Ser Pro Ala
 1 5 10 15
 Gln Leu Ile Phe Ile His Ala Ala Ser Val Leu Met Ala Phe Pro Pro
 20 25 30
 Arg Pro Ser Lys Thr Thr Leu Pro Gln Ala Ala Phe Leu Thr Ser Leu
 35 40 45
 Ala Cys Pro Leu Met Leu Ser Thr Phe Phe Leu Tyr Gln Asn Ala Phe
 50 55 60
 Val Cys Lys Xaa
 65

<210> 169
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (59)

<223> Xaa equals stop translation

<400> 169

Met Ser Ser Phe Pro Gly Pro Gln Cys Val Gln Leu Ile Asn Leu Leu
1 5 10 15

His Leu Ile Cys Pro Val Ser Gly Leu Val Cys Ser Ala Ile Thr Ile
20 25 30

Ala Leu Arg Gln Lys Ser Ile Pro His Gln Gln Gly Arg Glu Ala Val
35 40 45

Ile Lys Thr Pro Pro Pro Gly Ser Leu Pro Xaa
50 55

<210> 170

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 170

Met Leu Val Leu Ala Trp Ile Thr Phe Pro Pro Cys Lys Ala Cys Cys
1 5 10 15

Met Met Cys Ile Phe Ser Ser Arg Leu Leu Gln Gln Glu Xaa Val Cys
20 25 30

Thr Xaa Val Gln Gly Xaa Glu Pro Arg Gly Met Ala Gln Arg Asp Arg
35 40 45

Gly Phe Glu Ser Leu Xaa
50

<210> 171

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals stop translation

<400> 171

Met Val Tyr His Gly Tyr Asn Ile Tyr Leu Val Val Phe Leu Leu Leu
 1 5 10 15

Tyr Leu Asp Xaa
 20

<210> 172

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals stop translation

<400> 172

Met Gly Pro Ala Val Cys Phe Arg Ala Cys Glu Met Cys Ser Leu Ser
 1 5 10 15

Gly Leu Leu Leu Asn Leu Cys Phe Gln Ser Cys Leu Ser Val Pro Leu
 20 25 30

Ser Gly Val Pro Arg Val Xaa
 35

<210> 173

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 173

Met Asn Leu Glu Thr Val Leu Leu Ser Arg Thr Ser Ser Leu Gly Phe
 1 5 10 15

Ala Val Cys Leu Pro Cys Phe Phe Cys Trp Phe Tyr Leu Val Leu Phe
 20 25 30

Leu Glu Leu Thr Ser Ile Thr Phe Ala Met Tyr Asp Ile Ile Pro Cys
 35 40 45

Met Thr Leu Gly Lys Xaa
 50

<210> 174
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals stop translation

<400> 174
 Met Ser Trp Ala Leu Pro Ser Leu Phe Phe Leu Leu Phe Ser Pro Phe
 1 5 10 15
 Leu Leu Pro Ser Gly Leu Thr Val Ile Arg Arg Tyr Thr Asn Asn Ser
 20 25 30
 Asn Asn Tyr Leu Lys Asn His Thr His Gln Lys Asn Lys Arg Gln Gln
 35 40 45
 Lys Ile Thr Arg Tyr Ser Xaa
 50 55

<210> 175
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 175
 Met Leu Ser Pro Leu Asn His Leu Tyr Phe Pro Phe Arg Phe Leu Cys
 1 5 10 15
 Met Leu Cys Ser Leu Pro Arg Val Val Phe Gln Leu Thr Pro Ile Lys
 20 25 30
 Glu Ala Phe Pro Ser Gln Glu Leu Thr Phe Pro Cys Thr His Xaa
 35 40 45

<210> 176
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals stop translation

<400> 176
 Met Leu Leu Gly Phe Leu Cys Leu Trp Tyr Gln Val Tyr Val Cys Met
 1 5 10 15

Tyr Val Cys Thr Tyr Leu Phe Ile Tyr Leu Leu Phe Ser Leu Phe Ser
 20 25 30
 Leu Pro His Met Ile Cys Lys Lys Ser Val Lys Phe Ile Met Ser Ser
 35 40 45
 Pro Lys Pro Pro Ser Gly Xaa
 50 55

<210> 177
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals stop translation

<400> 177
 Met Lys Trp Ser Leu Leu Lys Val Val Leu Val Phe Val Phe Val Cys
 1 5 10 15

Gly Phe Leu Lys Arg Ala Tyr Pro Ala Thr Xaa
 20 25

<210> 178
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals stop translation

<400> 178
 Met Ile Asp Ile Cys His Ser Leu Arg Arg Glu His Phe Leu Leu Trp
 1 5 10 15

Ser Phe Leu Gly Leu Phe Tyr Trp Ala Val Asn Gly Lys Ser Val Cys
 20 25 30

Val Ser Leu Leu His Pro Lys His Leu Gly Lys Asn Glu Ser Leu Leu
 35 40 45

Ile Xaa
 50

<210> 179
 <211> 27
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (27)
 <223> Xaa equals stop translation

<400> 179

Met Phe His Ser Ser Leu Leu Val Phe Leu Ser Leu Leu Ser Gln Glu
 1 5 10 15

Ile Phe Thr Glu Tyr Asp Cys Met His Lys Xaa
 20 25

<210> 180

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals stop translation

<400> 180

Met Val His Val Ser Asn Leu Pro Trp Cys Leu Met Thr Leu Ser Ile
 1 5 10 15

Phe Ala Leu Leu Cys Asn His His Cys His Pro Ser Thr Glu Arg Leu
 20 25 30

Ser Ser Cys Lys Thr Glu Thr Pro Xaa
 35 40

<210> 181

<211> 65

<212> PRT

<213> Homo sapiens

<400> 181

Met Ile Trp Arg Leu Ser Asp Asn Ser Ala Leu Ile Leu Leu Cys Leu
 1 5 10 15

Gln Asn Leu Cys Trp Pro Thr Trp Met Ala Gly Glu Asp Gln Gln Lys
 20 25 30

Val Pro Ser Thr His Val Leu Pro Ala Leu Thr Leu Val Ser Leu Gly
 35 40 45

Ala Asn Ser Cys Arg Ile Arg Tyr Gln Ala Tyr Arg Tyr Arg Arg Pro
 50 55 60

Arg
 65

<210> 182

<211> 20

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals stop translation

<400> 182
 Met Val Gly Thr Trp Arg Met Leu Phe Leu Leu Pro Ser Tyr Ser Ser
 1 5 10 15

Gly Gln Val Xaa
 20

<210> 183
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 183
 Met Trp Asp Tyr Lys Thr Val Leu Leu Ala Phe Lys Gln Leu Met Asn
 1 5 10 15

Cys Ile Arg Ser Cys Leu Ile Leu Ile Val Leu Leu Leu Ile Leu Asn
 20 25 30

Ala Leu Pro Cys Lys Glu Leu Ile Ala Thr
 35 40

<210> 184
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 184
 Met Val Lys Trp Ile Ile Leu Ser Cys Leu Ile Leu Lys Gly Lys Arg
 1 5 10 15

Thr Leu Asn Ser Ser Thr Phe Tyr Ala Ala Asn Lys Ser Ser Thr Ile
 20 25 30

Asn Arg Asn Leu Ser Trp Gln Ala Leu Pro Phe Thr His Xaa
 35 40 45

<210> 185
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 185

Met Ser Leu Leu Leu Pro Pro Leu Ala Leu Leu Leu Leu Ala Ala
1 5 10 15

Leu Val Xaa Pro Ala Xaa Ala Ala Thr Ala Tyr Arg Pro Asp Trp Asn
20 25 30

Arg Leu Ser Gly Leu Thr Arg Ala Arg Val Glu Thr Cys Gly Gly Met
35 40 45

Thr Ala Glu Pro Pro Lys Gly Glu Xaa Arg Leu Ser Ser Arg Arg Thr
50 55 60

Phe His Ser Ile Thr Xaa Trp Xaa
65 70

<210> 186

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (78)

<223> Xaa equals stop translation

<400> 186

Met Gly Leu Trp Phe Pro Met Leu Ile Leu Thr Gln Arg Phe Val Ser
1 5 10 15

Cys Asp Ser His Pro Asp Pro Lys His Thr His Thr His Ala His Ile
20 25 30

Asn Thr His Thr His Arg His Val His Thr Gln Thr His Met His Thr
35 40 45

His Ile His Thr Pro Trp Phe Glu Glu Lys Arg Asp Gly Asn Arg His
 50 55 60

Ser Thr His Ala Tyr Ser Ala Pro Leu Cys Ile Gly Asn Xaa
 65 70 75

<210> 187
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 187
 Met Leu Asn Lys Cys Gln Thr Ile Phe Tyr Ile Thr Leu Leu Leu Phe
 1 5 10 15

Asn Phe Val Thr Phe Arg Gly Gly Gly Xaa
 20 25

<210> 188
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals stop translation

<400> 188
 Met Glu Asn Val Cys Gln Ala Gly Phe Pro Ser Leu Leu His Leu Asn
 1 5 10 15

Ile Thr Leu Thr Leu Leu Gly Leu Ala Gln Cys Tyr Leu Ala Asn Phe
 20 25 30

Ser Ser Cys Arg Glu Gly Ser Glu His Tyr Leu Phe Phe Phe Phe Phe
 35 40 45

Leu Leu Glu Pro Gly Leu His Lys Ala Met Ala Lys Phe Ser Xaa
 50 55 60

<210> 189
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals stop translation

<400> 189

Met Cys Pro Leu His Val Pro Leu Pro Gly His Met Gly Pro Phe Trp
 1 5 10 15
 Pro Leu Pro Ser Leu Tyr Ser Val Arg Ser Ser Gln Ser Pro Cys Pro
 20 25 30
 Leu Cys Phe Ser Leu Leu Pro Leu Gln Ala His Leu Ser Leu Leu His
 35 40 45
 Thr Leu Phe Arg Ser Ala Ser Gln Ser Pro Ala Ser Gly Val Phe Trp
 50 55 60
 Gly Cys Leu Arg Glu Arg His Glu Tyr Met Ser Pro Cys Leu Pro His
 65 70 75 80
 Met Tyr Gln Lys Phe Asp Phe Phe Phe Phe Xaa
 85 90

<210> 190

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 190

Met Ala Pro Pro Arg Gly Thr Trp Phe Leu Leu Leu Ser Leu Arg Leu
 1 5 10 15
 Pro Tyr Gly Ala Ala Cys Trp Val Phe Leu Pro Phe Pro Ala Ser Cys
 20 25 30
 Arg Ala Glu Gly Val Ala Ala Pro Ile Lys Cys Ser Arg Asn Glu Xaa
 35 40 45

<210> 191

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals stop translation

<400> 191

Met Cys Leu Gly His Ala Phe Cys Leu Leu Leu Ser His Ser Cys Arg
 1 5 10 15
 Met His Cys Thr Cys Tyr Leu Cys Leu Phe Thr Val Gln Val Leu Pro

20 25 30
 Gly Lys Tyr Asn Glu Gly Gly Glu Gly Gln Arg Asn Xaa
 35 40 45

<210> 192
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 192
 Met Phe Pro Gly Cys Ile Leu Leu Cys Asn Leu Cys Met Phe Phe Val
 1 5 10 15
 Leu Ser Phe Ser Met Gly Ile Phe Ala Phe Tyr Ser Leu Ile Arg Ala
 20 25 30
 Met His Val Ser Arg Leu Asp Phe Asn Phe Ala Thr Tyr Phe Val Ala
 35 40 45

<210> 193
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (74)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals stop translation

<400> 193
 Met Xaa Glu Gly Gly Arg Cys Gly Tyr Val Leu Leu Pro Val Ser Leu
 1 5 10 15
 Leu Gln Cys Leu Ala Met Gly His Lys His Tyr Pro Ala Val Gly Arg
 20 25 30
 Leu Ala Lys Arg Ser Gln Leu Ala Ser Pro Ala Ser Ser Arg Glu Trp
 35 40 45
 Asn His Gly Ser Asn Thr Leu Leu Arg Lys Gln Lys Leu Tyr Gly His
 50 55 60
 Ile Phe His Leu Leu Ser Pro Arg Asn Xaa Met Tyr Cys Asp Pro Ala

65

70

75

80

His Xaa

<210> 194

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 194

Met	Trp	Leu	Thr	Gln	Pro	Glu	Ser	Leu	Ser	Leu	Cys	Val	Ser	Val	Ser
1				5					10					15	

Gln	Asp	Trp	Ala	His	Ile	Leu	Ala	Leu	Ser	Ile	Thr	Met	Leu	Trp	Asp
			20					25						30	

Phe	Arg	Glu	Phe	Pro	His	Leu	Xaa
		35				40	

<210> 195

<211> 182

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (182)

<223> Xaa equals stop translation

<400> 195

Met	Ala	Ser	Phe	Leu	Lys	Gly	Ile	Thr	Ala	Thr	Val	Leu	Ile	Asn	Ala
1				5					10					15	

Cys	Val	Ala	Asn	Thr	Val	Ala	Pro	Leu	His	Tyr	Lys	Asp	Met	Ile	Ile
			20					25					30		

Pro	Lys	Leu	Val	Asp	Asp	Leu	Gly	Lys	Val	Lys	Ile	Thr	Lys	Ser	Gly
		35					40					45			

Phe	Leu	Thr	Phe	Met	Asp	Thr	Trp	Ser	Asn	Pro	Leu	Glu	Glu	His	Asn
	50					55					60				

His	Gln	Ser	Leu	Val	Pro	Leu	Glu	Lys	Ala	Gln	Val	Pro	Phe	Leu	Phe
65					70					75					80

Ile	Val	Gly	Met	Asp	Asp	Gln	Ser	Trp	Lys	Ser	Glu	Phe	Tyr	Ala	Gln
			85						90					95	

Ile	Ala	Ser	Glu	Arg	Leu	Gln	Ala	His	Gly	Lys	Glu	Arg	Pro	Gln	Ile
			100					105						110	

Ile Cys Tyr Pro Glu Thr Gly His Cys Ile Asp Pro Pro Tyr Phe Pro
 115 120 125

Pro Ser Arg Ala Ser Val His Ala Val Leu Gly Glu Ala Ile Phe Tyr
 130 135 140

Gly Gly Glu Pro Lys Ala His Ser Lys Ala Gln Val Asp Ala Trp Gln
 145 150 155 160

Gln Ile Gln Thr Phe Phe His Lys His Leu Asn Gly Lys Lys Ser Val
 165 170 175

Lys His Ser Lys Ile Xaa
 180

<210> 196

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 196

Met Tyr Tyr Thr Ala Ala Cys Leu Phe Ile Ser Val Leu Phe Leu Gly
 1 5 10 15

Leu Ser Val Leu Ile Ser Val Ala Val Val His Ser Phe Phe Lys His
 20 25 30

Cys Ile Val Phe His Asp Asp Xaa
 35 40

<210> 197

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals stop translation

<400> 197

Met Ala Ile Ala Leu Gly Pro Leu Val Leu Ser Trp Leu Cys Tyr Leu
 1 5 10 15

Trp Leu Thr Leu Glu Ser Leu Cys Thr Asn Lys Met Ala Ser Asp Glu
 20 25 30

Pro Val Ser His His Cys Leu Pro Arg Leu Ser Glu Pro Leu Thr
 35 40 45

Phe Cys Leu Glu Ala Gly Gly Leu Val Glu Val Gly Asp Leu Leu Lys
 50 55 60

Ser Arg Ala Arg Pro Val Ile Leu Xaa
65 70

<210> 198
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals stop translation

<400> 198
Met Ala Gly His Pro Val Phe Phe Leu Leu Ile His Leu Leu Pro Leu
1 5 10 15
Asp Phe Ser Met Gly Trp Thr Gln Thr Pro Gly Ser Asn Asn Trp Arg
20 25 30
Arg Gly Trp Lys Glu Val Ser Gly Ser Ser Ala Pro Glu Gly Ser Arg
35 40 45
Asp Gly Tyr Val Ala Ala Ala Xaa
50 55

<210> 199
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
<223> Xaa equals stop translation

<400> 199
Met Ala Gly Ser Tyr Ser Ser Asp Ile Leu Val Leu Ala Arg Ser Trp
1 5 10 15
Thr Leu Leu Leu Leu Ser Val Leu Arg Leu Gln Thr Val Gly Ser Ser
20 25 30
Val Thr Leu Asp Ser Gln Val Gly Ile Ile Trp Pro Ala Val Phe Lys
35 40 45
Ile Gly Asn Arg Val Lys Lys Gln Asn Gln Ile Lys Glu Lys Arg Gln
50 55 60
Gln Gln Asn Gln Asn Xaa
65 70

<210> 200
<211> 47
<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals stop translation

<400> 200

Met Trp Ile Tyr Thr Leu Thr Tyr Ile Leu Ile Asn Ser Ser Met Leu
1 5 10 15

Ala Leu Val Leu Ser Lys Leu Tyr Leu Asn Lys Phe Val Ala Arg Asn
20 25 30

Val Leu Lys Ser Tyr Ser Pro Phe Leu Leu Glu Val Ser Lys Xaa
35 40 45

<210> 201

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals stop translation

<400> 201

Met Leu Glu Trp Pro Ile Ser Met Tyr Phe Val Ala Phe Leu His Cys
1 5 10 15

Phe Leu Cys Ser Gly Gly Asn Leu Gly Asp Ser Phe Gln Ala Leu Pro
20 25 30

Glu Leu Cys Ala Asn Cys Ser Ser Ser Pro Arg Val Leu Cys Cys Val
35 40 45

Val Met Ser Pro Leu Pro Xaa
50 55

<210> 202

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 202

Met Ala Ser Glu Trp Val Gly Leu Ser Ser Leu Ile Thr Leu Leu Leu
1 5 10 15

Leu Ser Cys Val Leu Ser Cys Ile Thr Leu Glu Glu Gly Glu Lys Glu
20 25 30

Leu Val Phe Gly Pro Xaa
35

<210> 203
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals stop translation

<400> 203
Met Cys Leu Leu Ala His Leu Phe Cys His His Leu Leu Ile Leu Leu
1 5 10 15
Pro Val Ile Glu Xaa Leu Leu Cys Thr Arg His Trp Ala Arg Gly Ile
20 25 30

Leu Xaa

<210> 204
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals stop translation

<400> 204
Met Gln Leu Val Leu Phe His Arg Leu Ile Met Pro Leu Phe Phe Ala
1 5 10 15

Arg Thr Leu Val Asp Xaa
20

<210> 205
<211> 56
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
<223> Xaa equals stop translation

<400> 205

Met Lys Gln Arg Gly Glu Gln Val Pro Leu Leu Leu Pro Pro Leu Leu
 1 5 10 15
 Leu Ser Thr Arg Leu Trp Pro Cys Trp Gly Val Pro Thr Glu Ser Val
 20 25 30
 Gly Ser Gly Leu Ala Arg Lys Ser Val Gly Ala Ser Gln Gly His Asn
 35 40 45
 Tyr Pro Met Pro His Arg Val Xaa
 50 55

<210> 206
 <211> 116
 <212> PRT
 <213> Homo sapiens

<400> 206
 Met Phe Lys Ile His Glu Lys Ser Cys Asn Pro Ile Leu Ala Tyr Leu
 1 5 10 15
 Phe Leu Leu Leu Phe Gly Phe Cys Leu Ile Trp Lys Trp Thr Val Pro
 20 25 30
 Leu Leu Thr Ser Gly Arg Pro Tyr Glu Asn Leu Lys Pro Arg Gln Gly
 35 40 45
 Asp Lys Val Trp Ser Phe Ser Thr Lys Gly Arg Leu Arg Leu Leu Leu
 50 55 60
 Tyr Leu Glu Lys Gln Asn Val Val Ala Lys Asp Ser Glu Ser Gln Ile
 65 70 75 80
 Phe Phe Pro Gly Leu Ser Val Ser Glu Phe Leu Asp Phe Ser Phe Asn
 85 90 95
 Leu Ala Ile Arg Glu Phe Leu Arg Leu Glu Ile Pro Arg Gln Asn Pro
 100 105 110
 Asn Lys Ile Ser
 115

<210> 207
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals stop translation

<400> 207
 Met Lys Cys Leu Ala Pro Met Trp Val Ser Leu Trp Asp Ser Asp Pro
 1 5 10 15
 Leu Arg Ser Cys Leu Leu Leu Leu Ile Pro His Phe Ser Val Phe Leu

20 25 30
 Ile Leu Ala Ala Val Ser Cys Leu Pro Leu Ser Thr Ala Thr Arg Trp
 35 40 45
 Arg Gly Arg Asp Pro Val Leu Leu Ile Ile Cys Leu Leu Lys Asn Leu
 50 55 60
 Gln Asn Gly Lys Ile Thr Ile Cys Ala Glu Leu Ile Ile Ser Leu Lys
 65 70 75 80
 Phe Lys Thr Xaa

<210> 208
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 208
 Met Leu Phe Ser Phe Leu Phe Thr Arg Ala Thr Pro Ala Thr Phe Leu
 1 5 10 15
 Ser Leu Leu Val Arg Leu Ile Ser Ala Leu Glu His Pro Cys Cys Cys
 20 25 30
 His His Leu Lys Cys Phe Ser Ser Gly Ile Leu Phe Trp Xaa
 35 40 45

<210> 209
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 209
 Met Ala Asn Thr Ala Arg Ile Phe Leu Leu Leu Pro Ile Phe Ile Ile
 1 5 10 15
 Glu Gly Asn Ala Asn Met Lys Ile Lys Met Ser Leu Phe Pro Gln Ser
 20 25 30
 Met Gln Phe Pro Pro Lys Leu Tyr Pro Xaa
 35 40

<210> 210
 <211> 41

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals stop translation

<400> 210
 Met Glu Thr Gln Ile Cys Leu Thr Gln Ile Val Ala Leu Phe Phe Leu
 1 5 10 15
 Arg Leu Val Leu Gly Lys Leu Thr Cys Phe Leu Tyr Gly Lys Leu Val
 20 25 30
 Leu Val Glu Ala Phe Ile Leu Ala Xaa
 35 40

<210> 211
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 211
 Met Ala Ser His Cys Trp Met Gly Ala Val Cys Val Leu Phe Leu Gly
 1 5 10 15
 Ile Ile Phe Leu Ala Ala Leu Phe Pro Tyr Ile Ser Phe Tyr Xaa
 20 25 30

<210> 212
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 212
 Met Trp Arg Gly Gln Ser Phe Leu Leu Leu Leu Leu Leu Leu
 1 5 10 15
 Cys Phe Leu Arg Gln Cys Arg Ser Val Ala Gln Ala Gly Val Gln Trp
 20 25 30
 Cys Asp His Ser Ser Leu Gln Pro
 35 40

<210> 213
 <211> 100
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals stop translation

<400> 213
 Met Leu Trp Tyr Xaa Phe Pro Thr Thr Pro Leu Pro Ala Gln Val Gln
 1 5 10 15
 Phe Trp Trp Cys Leu Cys Cys Cys Tyr Ile His Gly Ser Trp Trp Gly
 20 25 30
 Pro Leu Ser Gln Ser Ser Ser Ser Cys Asn Ala Ser Val Thr Ala Leu
 35 40 45
 Ser Ser Gly Cys Cys Arg Pro Arg Ala Ser Ser Pro Thr Val Pro His
 50 55 60
 His Arg Leu Phe Pro Met Pro Ala His Thr Ser Val Asn Ser Pro Phe
 65 70 75 80
 Ile Ser His Pro Ser Val Arg Pro Phe Glu Tyr Ala Ile Cys Phe Arg
 85 90 95
 Ser Gly Gln Xaa
 100

<210> 214
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals stop translation

<400> 214
 Met Leu Xaa Gln Phe Phe Leu Phe Val Cys Phe His Phe Ile Thr Tyr
 1 5 10 15
 Gly Phe Leu Cys His Thr Thr Arg Asn Phe Glu Lys Xaa
 20 25

<210> 215
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 215
 Met Gln Pro Ser Cys Val Asn Phe Arg Leu Lys Leu Phe Tyr Ser His
 1 5 10 15
 Thr Phe Met Leu Arg Leu Gly Phe Leu Phe Gly Leu Leu Asp Ala His
 20 25 30
 Phe Asp Ile Asp Ile Arg Gly Phe Lys Pro Ser Leu Lys Gly Xaa
 35 40 45

<210> 216
 <211> 86
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals stop translation

<400> 216
 Glu Leu Gln Pro Asn Pro His Ala Arg Ala Lys Pro Cys Cys Tyr Leu
 1 5 10 15
 Leu Phe Leu Ser Cys Leu Ile Pro Ser Met Phe Ser Leu Ser Val Asp
 20 25 30
 Pro Val Ser Pro Val Leu Arg Ile Val Pro Gly Ser Asp His Phe Ser
 35 40 45
 Leu Pro Leu Leu Leu Pro Pro Pro Leu Ala Trp Ile Ile Ala Ala Ala
 50 55 60
 Ser Gln Leu Ala Leu Leu Cys Pro Ser Leu Phe Ser Pro Ser Val Cys
 65 70 75 80
 Ser Gln Gln Arg Ser Xaa
 85

<210> 217
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 217
 Met Ala Gly Asn Gln Gln Phe Val Asn Leu Leu Leu Arg Ser Val Ile

1 5 10 15
 His Ser Val Ala Tyr Phe Leu Ser Xaa
 20 25

<210> 218
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals stop translation

<400> 218
 Met Trp Asp Tyr Lys Thr Val Leu Leu Ala Phe Lys Gln Leu Xaa
 1 5 10 15

<210> 219
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 219
 Met Leu Met Lys Ile Asn Phe Tyr Pro Leu Pro Lys Pro Lys Leu His
 1 5 10 15

Thr Ser Ile Ser Asn Cys Leu Leu Asp Ile Ser Ile Tyr Lys Pro Ser
 20 25 30

Ser Leu Ile Ser Ile Thr Ser Asp Leu Pro Gly Leu Thr Leu Lys Ser
 35 40 45

Xaa Asn Phe Ser Pro Thr Pro Met Pro Gly Gln Asn Leu Val Val Thr
 50 55 60

Ser Tyr Ser Ser Leu Ala Ser Ser His Pro Cys Ser Val Cys Gln Trp
 65 70 75 80

Ile Leu

<210> 220
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 220
 Pro Asn Lys His Asn Leu Arg Leu Thr Arg Pro His Thr Glu Val
 1 5 10 15

<210> 221
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 221
 Gly Thr Ser Leu Phe Leu Trp Ala Leu Tyr Val Ile Tyr Met Leu Met
 1 5 10 15
 Lys Ile Asn Phe Tyr Pro Leu Pro Lys Pro Lys Leu His Thr Ser Ile
 20 25 30
 Ser Asn Cys Leu Leu Asp Ile Ser Ile Tyr Lys Pro Ser Ser Leu Ile
 35 40 45
 Ser Ile Thr Ser Asp Leu Pro Gly Leu Thr Leu Lys Ser Xaa Asn Phe
 50 55 60
 Ser Pro Thr Pro Met Pro Gly Gln Asn Leu Val Val Thr Ser Tyr Ser
 .65 70 75 80
 Ser Leu Ala Ser Ser His Pro Cys Ser Val Cys Gln Trp Ile Leu
 85 90 95

<210> 222
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 222
 Met Leu Met Lys Ile Asn Phe Tyr Pro Leu Pro Lys Pro Lys Leu His
 1 5 10 15
 Thr Ser Ile Ser Asn Cys Leu Leu Asp Ile Ser Ile Tyr
 20 25

<210> 223
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 223
 Lys Pro Ser Ser Leu Ile Ser Ile Thr Ser Asp Leu Pro Gly Leu Thr
 1 5 10 15

Leu Lys Ser Xaa Asn Phe Ser Pro Thr Pro Met Pro
 20 25

<210> 224
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 224
 Gly Gln Asn Leu Val Val Thr Ser Tyr Ser Ser Leu Ala Ser Ser His
 1 5 10 15

Pro Cys Ser Val Cys Gln Trp Ile Leu
 20 25

<210> 225
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 225
 Gly Thr Ser Leu Phe Leu Trp Ala Leu Tyr Val Ile Tyr Met Leu Met
 1 5 10 15

Lys Ile Asn Phe Tyr Pro Leu Pro Lys Pro Lys Leu
 20 25

<210> 226
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 226
 Leu Ala Pro Arg Phe Ala Phe Ser Gln Cys Ser Leu Ala Ile Met Leu
 1 5 10 15

Thr Leu Leu Phe Gln Ile His Phe Leu Met Ile Leu Ser Ser Asn Trp
 20 25 30

Ala Tyr Leu Lys Asp Ala Ser Lys Met Gln Ala Tyr Gln Asp Ile Lys
 35 40 45

Ala Lys Glu Glu Gln Glu Leu Gln Asp Ile Gln Ser Arg Ser Lys Glu
 50 55 60

Gln Leu Asn Ser Tyr Thr
 65 70

<210> 227
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 227
 Leu Ala Pro Arg Phe Ala Phe Ser Gln Cys Ser Leu Ala Ile Met Leu

1 5 10 15
 Thr Leu Leu Phe Gln Ile His Phe Leu Met Ile Leu Ser Ser Asn Trp
 20 25 30
 Ala Tyr Leu Lys Asp
 35

<210> 228
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 228
 Ala Ser Lys Met Gln Ala Tyr Gln Asp Ile Lys Ala Lys Glu Glu Gln
 1 5 10 15
 Glu Leu Gln Asp Ile Gln Ser Arg Ser Lys Glu Gln Leu Asn Ser Tyr
 20 25 30

Thr

<210> 229
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 229
 Leu Ile Ser Gln Thr Ser Phe Ser Leu Pro Ser Pro Gly Pro Ile Asn
 1 5 10 15

Phe Leu Ser Gln Ser Glu Ile Tyr Phe Ser Ile
 20 25

<210> 230
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 230
 Ile Arg His Glu Gly Gly Gly Gln Pro Phe Thr Ser Xaa Pro Leu Glu
 1 5 10 15

Ile Leu Phe Phe Leu Asn Gly Trp Tyr Asn Ala Thr Tyr Phe Leu Leu
 20 25 30

Glu Leu Phe Ile Phe Leu Tyr Lys Gly Val Leu Leu Pro Tyr Pro Thr
 35 40 45

Ala Asn Leu Val Leu Asp Val Val

50

55

<210> 231
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 231

Met Val His Thr Arg Cys Ser Gly His Gly Asp Gln Gly Gly Glu Leu
 1 5 10 15
 Glu Val Ser Arg Gly Leu Val Leu Arg Arg Gly Arg Met Gly Ile Thr
 20 25 30
 Leu Pro Leu Pro Ile Leu Glu Cys Arg Arg Val Ser Trp Ala Asp Gly
 35 40 45
 Pro Gly Leu Glu Asp Gly Thr His Trp Pro Tyr Ala Glu Leu Leu Ala
 50 55 60
 Gln Met Ser Val Leu Lys Lys Ser His Thr Ala Phe Leu Arg Thr Thr
 65 70 75 80
 Cys Pro Thr Asn Ser His Trp Cys Gly
 85

<210> 232
 <211> 116
 <212> PRT
 <213> Homo sapiens

<400> 232

Thr Arg Thr Ile Ser Pro Arg Asp Ser Ser Thr Leu Gln Tyr Arg Glu
 1 5 10 15
 Gly Gln Gly Tyr Ser His Pro Ala Pro Ser Gln Asn Gln Ser Pro Ala
 20 25 30
 Asp Leu Lys Phe Ser Ser Leu Ile Thr Val Ala Arg Ala Ser Arg Val
 35 40 45
 Asp His Leu Gly Ser Leu Gly Phe Lys Gln Asp Leu Ser His Met Leu
 50 55 60
 Pro Val Arg Ala Val Leu Tyr Leu Ser His Met Ser Thr Glu Ser Leu
 65 70 75 80
 Met Leu Val Gly Phe Gln Ser Asp Val Lys Ala Ser His Pro Asn Pro
 85 90 95
 Arg Arg Leu Ser Thr Thr Phe Leu Val Ala His Ser Val Ile Phe
 100 105 110
 Leu Leu Ser Ser
 115

<210> 233
 <211> 276
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 233

Arg Val Ile Arg Leu Thr Xaa Arg Ala Asn Trp Ser Ser Thr Ala Val
 1 5 10 15

Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
 20 25 30

Arg Val Lys Tyr Cys Val Val Tyr Asp Asn Asn Ser Ser Thr Leu Glu
 35 40 45

Ile Leu Leu Lys Asp Asp Asp Asp Ser Asp Ser Asp Gly Asp Gly
 50 55 60

Lys Asp Leu Val Pro Gln Ala Ala Ile Glu Tyr Gly Arg Ile Leu Thr
 65 70 75 80

Arg Leu Thr His His Pro Val Tyr Ile Leu Lys Gly Gly Tyr Glu Arg
 85 90 95

Phe Ser Gly Thr Tyr His Phe Leu Arg Thr Gln Lys Ile Ile Trp Met
 100 105 110

Pro Gln Glu Leu Asp Ala Phe Gln Pro Tyr Pro Ile Glu Ile Val Pro
 115 120 125

Gly Lys Val Phe Val Gly Asn Phe Ser Gln Ala Cys Asp Pro Lys Ile
 130 135 140

Gln Lys Asp Leu Lys Ile Lys Ala His Val Asn Val Ser Met Asp Thr
 145 150 155 160

Gly Pro Phe Phe Ala Gly Asp Ala Asp Lys Leu Leu His Ile Arg Ile
 165 170 175

Glu Asp Ser Pro Glu Ala Gln Ile Leu Pro Phe Leu Arg His Met Cys
 180 185 190

His Phe Ile Glu Ile His His His Leu Gly Ser Val Ile Leu Ile Phe
 195 200 205

Ser Thr Gln Gly Ile Ser Arg Ser Cys Ala Ala Ile Ile Ala Tyr Leu
 210 215 220

Met His Ser Asn Glu Gln Thr Leu Gln Arg Ser Trp Ala Tyr Val Lys
 225 230 235 240

Lys Cys Lys Asn Asn Met Cys Pro Asn Arg Gly Leu Val Ser Gln Leu
 245 250 255

Leu Glu Trp Glu Lys Thr Ile Leu Gly Asp Ser Ile Thr Asn Ile Met
 260 265 270

Asp Pro Leu Tyr
 275

<210> 234
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 234
 Arg Val Ile Arg Leu Thr Xaa Arg Ala Asn Trp Ser Ser Thr Ala Val
 1 5 10 15
 Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
 20 25 30

Arg Val Lys Tyr Cys
 35

<210> 235
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 235
 Val Val Tyr Asp Asn Asn Ser Ser Thr Leu Glu Ile Leu Leu Lys Asp
 1 5 10 15
 Asp Asp Asp Asp Ser Asp Ser Asp Gly Asp Gly Lys Asp Leu Val Pro
 20 25 30

Gln Ala

<210> 236
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 236
 Ala Ile Glu Tyr Gly Arg Ile Leu Thr Arg Leu Thr His His Pro Val
 1 5 10 15
 Tyr Ile Leu Lys Gly Gly Tyr Glu Arg Phe Ser Gly Thr Tyr His Phe
 20 25 30

Leu Arg Thr Gln
 35

<210> 237
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 237
 Lys Ile Ile Trp Met Pro Gln Glu Leu Asp Ala Phe Gln Pro Tyr Pro
 1 5 10 15
 Ile Glu Ile Val Pro Gly Lys Val Phe Val Gly Asn Phe Ser Gln Ala
 20 25 30
 Cys Asp Pro
 35

<210> 238
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 238
 Lys Ile Gln Lys Asp Leu Lys Ile Lys Ala His Val Asn Val Ser Met
 1 5 10 15
 Asp Thr Gly Pro Phe Phe Ala Gly Asp Ala Asp Lys Leu Leu His Ile
 20 25 30
 Arg Ile Glu Asp
 35

<210> 239
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 239
 Ser Pro Glu Ala Gln Ile Leu Pro Phe Leu Arg His Met Cys His Phe
 1 5 10 15
 Ile Glu Ile His His His Leu Gly Ser Val Ile Leu Ile Phe Ser Thr
 20 25 30
 Gln Gly Ile
 35

<210> 240
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 240
 Ser Arg Ser Cys Ala Ala Ile Ile Ala Tyr Leu Met His Ser Asn Glu
 1 5 10 15
 Gln Thr Leu Gln Arg Ser Trp Ala Tyr Val Lys Lys Cys Lys Asn Asn

30

<400> 241

Asp Ser Ile Thr Asn Ile Met Asp Pro Leu Tyr
20 25

<220>

<221> SITE

$\langle 222 \rangle$ (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 242

Glu Gly Glu Ser Ser Ser Thr Ser Tyr Met His Gln Arg Ser Pro Gly
20 25 30

Gly Pro Thr Lys Leu Ile Glu Ile Ile Ser Asp Cys Asn Trp Glu Glu
35 40 45

Asp Arg Asn Lys Ile Leu Ser Ile Leu Ser Gln His Ile Asn Ser Asn
50 55 60

Met Pro Gln Ser Leu Lys Val Gly Ser Phe Ile Ile Glu Leu Ala Ser
65 70 75 80

Gln Arg Lys Ser Arg Gly Glu Lys Asn Pro Pro Val Tyr Ser Ser Arg
85 90 95

Val Xaa Ile Ser Met Pro Ser Cys Gln Asp Gln Asp Asp Met Ala Glu
100 105 110

Lys Ser Gly Ser Glu Thr Pro Asp Gly Pro Leu Ser Pro Gly Lys Met
115 120 125

Glu Asp Ile Ser Pro Val Gln Thr Asp Ala Leu Asp Ser Val Arg Glu
130 135 140

Arg Leu His Gly Gly Lys Gly Leu Pro Phe Tyr Ala Gly Leu Ser Pro
145 150 155 160

Ala Gly Lys Leu Val Ala Tyr Lys Arg Lys Pro Ser Ser Ser Thr Ser
 165 170 175

Gly Leu Ile Gln Val Arg Ile Ile Phe Asn Leu Gly Ile Ala Pro Leu
 180 185 190

Tyr Thr Pro Arg
 195

<210> 243
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 243
 Glu Phe Gly Thr Ser Leu His Gln Lys Arg Ala Gly Ser Leu Pro Ala
 1 5 10 15

<210> 244
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 244
 Ile Arg His Glu Phe Thr Ser Glu Lys Ser Trp Lys Ser Ser Cys Asn
 1 5 10 15

Glu Gly Glu Ser Ser Ser Thr Ser Tyr Met His Gln Arg Ser Pro Gly
 20 25 30

Gly Pro Thr Lys Leu
 35

<210> 245
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 245
 Ile Glu Ile Ile Ser Asp Cys Asn Trp Glu Glu Asp Arg Asn Lys Ile
 1 5 10 15

Leu Ser Ile Leu Ser Gln His Ile Asn Ser Asn Met Pro Gln Ser Leu
 20 25 30

Lys

<210> 246
 <211> 36
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 246

Val Gly Ser Phe Ile Ile Glu Leu Ala Ser Gln Arg Lys Ser Arg Gly
1 5 10 15

Glu Lys Asn Pro Pro Val Tyr Ser Ser Arg Val Xaa Ile Ser Met Pro
20 25 30

Ser Cys Gln Asp
35

<210> 247

<211> 34

<212> PRT

<213> Homo sapiens

<400> 247

Gln Asp Asp Met Ala Glu Lys Ser Gly Ser Glu Thr Pro Asp Gly Pro
1 5 10 15

Leu Ser Pro Gly Lys Met Glu Asp Ile Ser Pro Val Gln Thr Asp Ala
20 25 30

Leu Asp

<210> 248

<211> 24

<212> PRT

<213> Homo sapiens

<400> 248

Cys Asn Ile Glu Tyr Ile Arg Ser Asp Lys Cys Met Phe Lys His Glu
1 5 10 15

Leu Glu Glu Leu Arg Thr Thr Ile
20

<210> 249

<211> 127

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (126)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 249

His	His	Gln	Gln	Val	Pro	Glu	Xaa	Asp	Arg	Glu	Asp	Ser	Pro	Glu	Arg
1				5					10					15	

Cys	Ser	Asp	Xaa	Xaa	Glu	Glu	Lys	Lys	Ala	Arg	Arg	Gly	Arg	Ser	Pro
			20					25					30		

Lys	Gly	Glu	Phe	Lys	Asp	Glu	Glu	Glu	Thr	Val	Thr	Thr	Lys	His	Ile
	35						40					45			

His	Ile	Thr	Gln	Ala	Thr	Glu	Thr	Thr	Thr	Thr	Arg	His	Lys	Arg	Thr
	50					55					60				

Ala	Asn	Pro	Ser	Lys	Thr	Ile	Asp	Leu	Gly	Ala	Ala	Ala	His	Tyr	Thr
65					70					75					80

Gly	Asp	Lys	Ala	Ser	Pro	Asp	Gln	Asn	Ala	Ser	Thr	His	Thr	Pro	Gln
				85					90					95	

Ser	Ser	Val	Lys	Thr	Ser	Val	Pro	Ser	Ser	Lys	Ser	Ser	Gly	Asp	Leu
			100					105					110		

Val	Asp	Leu	Phe	Asp	Gly	Thr	Ser	Gln	Cys	Asn	Arg	Arg	Xaa	Ser	
		115					120						125		

<210> 250

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (73)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 250

Val Ser Ser Asp Ser Val Gly Gly Phe Arg Tyr Ser Glu Arg Tyr Asp
 1 5 10 15

Pro Glu Pro Lys Ser Lys Trp Asp Glu Glu Trp Asp Lys Asn Lys Ser
 20 25 30

Ala Phe Pro Phe Ser Asp Lys Leu Gly Glu Leu Ser Asp Lys Ile Gly
 35 40 45

Ser Thr Ile Asp Asp Thr Ile Ser Lys Phe Arg Xaa Lys Ile Glu Lys
 50 55 60

Thr Leu Gln Lys Asp Ala Ala Thr Xaa Xaa Arg Lys Arg Lys Arg Glu
 65 70 75 80

Glu Ala Asp Leu Pro Lys Val Asn Ser Lys Met Lys Arg Arg Leu
 85 90 95

<210> 251

<211> 45

<212> PRT

<213> Homo sapiens

<400> 251

Arg Gln Ser Ile Phe Ile Ser His Arg Pro Gln Arg Pro Pro Gln Pro
 1 5 10 15

Asp Thr Ser Ala Gln Gln Ile Leu Pro Lys Pro Leu Ile Leu Glu Gln
 20 25 30

Gln His Ile Thr Gln Gly Thr Lys Gln Val Gln Ile Arg
 35 40 45

<210> 252

<211> 190

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 252

Asp Gln Asp Gly Leu Arg Ala Val Ala Ala Leu Thr Leu His Gln Gly
 1 5 10 15

Arg Gln Leu Leu Tyr Arg Lys Phe Val His Pro Ser Leu Ser Arg His
 20 25 30
 Glu Lys Glu Ile Asp Ala Tyr Ile Val Gln Ala Lys Glu Arg Ser Tyr
 35 40 45
 Glu Thr Val Leu Ser Phe Gly Lys Arg Gly Leu Asn Ile Ala Ala Ser
 50 55 60
 Ala Ala Val Gln Ala Ala Thr Xaa Ser Gln Gly Ala Leu Ala Gly Arg
 65 70 75 80
 Leu Arg Ser Phe Ser Met Gln Asp Leu Arg Ser Ile Ser Asp Ala Pro
 85 90 95
 Ala Pro Ala Tyr His Asp Pro Leu Tyr Leu Glu Asp Gln Val Ser His
 100 105 110
 Arg Arg Pro Pro Ile Gly Tyr Arg Ala Gly Gly Leu Gln Asp Ser Asp
 115 120 125
 Thr Glu Asp Glu Cys Trp Ser Asp Thr Glu Ala Val Pro Arg Ala Pro
 130 135 140
 Ala Arg Pro Arg Glu Lys Pro Leu Ile Arg Ser Gln Ser Leu Arg Val
 145 150 155 160
 Val Lys Xaa Lys Pro Pro Val Arg Glu Gly Thr Ser Arg Ser Leu Lys
 165 170 175
 Val Arg Thr Xaa Lys Lys Thr Val Pro Ser Asp Val Asp Ser
 180 185 190

<210> 253
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 253
 Ala Ala Ser Trp Gly Pro Pro His Val Pro Lys Ala Gly Lys
 1 5 10

<210> 254
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 254
 Asp Gln Asp Gly Leu Arg Ala Val Ala Ala Leu Thr Leu His Gln Gly
 1 5 10 15

Arg Gln Leu Leu Tyr Arg Lys Phe Val His Pro Ser Leu Ser Arg His
 20 25 30

Glu Lys Glu Ile Asp Ala
 35

<210> 255
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 255
 Tyr Ile Val Gln Ala Lys Glu Arg Ser Tyr Glu Thr Val Leu Ser Phe
 1 5 10 15
 Gly Lys Arg Gly Leu Asn Ile Ala Ala Ser Ala Ala Val Gln Ala Ala
 20 25 30
 Thr Xaa Ser Gln
 35

<210> 256
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 256
 Gly Ala Leu Ala Gly Arg Leu Arg Ser Phe Ser Met Gln Asp Leu Arg
 1 5 10 15
 Ser Ile Ser Asp Ala Pro Ala Pro Ala Tyr His Asp Pro Leu Tyr Leu
 20 25 30
 Glu Asp

<210> 257
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 257
 Gln Val Ser His Arg Arg Pro Pro Ile Gly Tyr Arg Ala Gly Gly Leu
 1 5 10 15
 Gln Asp Ser Asp Thr Glu Asp Glu Cys Trp Ser Asp Thr Glu Ala Val
 20 25 30
 Pro Arg Ala
 35

<210> 258
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 258
 Pro Ala Arg Pro Arg Glu Lys Pro Leu Ile Arg Ser Gln Ser Leu Arg
 1 5 10 15
 Val Val Lys Xaa Lys Pro Pro Val Arg Glu Gly Thr Ser Arg Ser Leu
 20 25 30

 Lys Val Arg
 35

 <210> 259
 <211> 25
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 259
 Pro Val Arg Glu Gly Thr Ser Arg Ser Leu Lys Val Arg Thr Xaa Lys
 1 5 10 15

 Lys Thr Val Pro Ser Asp Val Asp Ser
 20 25

 <210> 260
 <211> 153
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (149)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 260
 Leu Cys His Arg Leu Pro Gly Arg Leu Gln Leu Leu Gly Val Pro Val
 1 5 10 15
 His Ala Gly Pro Leu Trp Val Tyr Ser Gly Leu Pro Gly Thr His Asp
 20 25 30
 His Arg His Pro Pro Gly Leu Pro Arg Pro Leu Ala Xaa His Xaa Gly
 35 40 45
 Pro Ala Leu His Gln His Trp Gly Pro Gly Ala Leu Gln Glu Ser Gln
 50 55 60
 Ala Gly Gly Xaa Arg Arg Gly Pro Pro His Ser Gly Arg Tyr Leu Arg
 65 70 75 80
 Asp Gly Gly Xaa Leu Leu Val Arg Phe Asn Ile Thr Arg Asp Phe Phe
 85 90 95
 Asp Pro Leu Tyr Pro Gly Thr Lys Tyr Glu Leu Gly Pro Xaa Leu Tyr
 100 105 110
 Leu Gly Trp Ser Ala Ser Leu Xaa Ser Ile Leu Gly Gly Leu Cys Leu
 115 120 125
 Cys Ser Ala Cys Cys Cys Gly Ser Asp Glu Asp Gln Pro Pro Ala Pro
 130 135 140
 Gly Gly Pro Thr Xaa Leu Pro Cys Pro
 145 150

<210> 261
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 261
 Gly Val Leu Pro Leu Pro Pro Leu Trp Gly His Gln Pro Pro Arg Val
 1 5 10 15

Leu His Pro Thr
 20

<210> 262
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 262
 Leu Cys His Arg Leu Pro Gly Arg Leu Gln Leu Leu Gly Val Pro Val
 1 5 10 15

His Ala Gly Pro Leu Trp Val Tyr Ser Gly Leu Pro Gly Thr His Asp
 20 25 30

His Arg

<210> 263
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 263
 His Pro Pro Gly Leu Pro Arg Pro Leu Ala Xaa His Xaa Gly Pro Ala
 1 5 10 15

Leu His Gln His Trp Gly Pro Gly Ala Leu Gln Glu Ser Gln Ala Gly
 20 25 30

Gly Xaa Arg Arg Gly
 35

<210> 264
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 264

Pro Pro His Ser Gly Arg Tyr Leu Arg Asp Gly Gly Xaa Leu Leu Val
 1 5 10 15

Arg Phe Asn Ile Thr Arg Asp Phe Phe Asp Pro Leu Tyr Pro Gly Thr
 20 25 30

Lys Tyr Glu
 35

<210> 265

<211> 36

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 265

Leu Gly Pro Xaa Leu Tyr Leu Gly Trp Ser Ala Ser Leu Xaa Ser Ile
 1 5 10 15

Leu Gly Gly Leu Cys Leu Cys Ser Ala Cys Cys Cys Gly Ser Asp Glu
 20 25 30

Asp Gln Pro Pro
 35

<210> 266

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 266

Ser Ala Cys Cys Cys Gly Ser Asp Glu Asp Gln Pro Pro Ala Pro Gly
 1 5 10 15

Gly Pro Thr Xaa Leu Pro Cys
 20

<210> 267

<211> 33

<212> PRT

<213> Homo sapiens

<400> 267

Val Asp Gln Met Phe Gln Phe Ala Ser Ile Asp Val Ala Gly Asn Leu
 1 5 10 15

Asp Tyr Lys Ala Leu Ser Tyr Val Ile Thr His Gly Glu Glu Lys Glu
 20 25 30

Glu

<210> 268

<211> 15

<212> PRT

<213> Homo sapiens

<400> 268

Ile Arg His Glu Ala Tyr Val Ile Leu Ala Val Cys Leu Gly Gly
 1 5 10 15

<210> 269

<211> 48

<212> PRT

<213> Homo sapiens

<400> 269

Phe Ala Pro Gly Ala Arg Lys Glu Pro Phe Arg Pro Arg Pro Gln Val
 1 5 10 15

Asp Gln Met Phe Gln Phe Ala Ser Ile Asp Val Ala Gly Asn Leu Asp
 20 25 30

Tyr Lys Ala Leu Ser Tyr Val Ile Thr His Gly Glu Glu Lys Glu Glu
 35 40 45

<210> 270

<211> 185

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 270

Trp Ile Gln Arg Ile Arg His Glu Thr Asn Pro Lys Cys Ser Tyr Ile
 1 5 10 15

Pro Pro Cys Lys Arg Glu Asn Gln Lys Asn Leu Glu Ser Val Met Asn
 20 25 30

Trp Gln Gln Tyr Trp Lys Asp Glu Ile Gly Ser Gln Pro Phe Thr Cys

		35					40					45				
Tyr	Phe	Asn	Gln	His	Gln	Arg	Pro	Asp	Asp	Val	Leu	Leu	His	Arg	Thr	
	50					55					60					
His	Asp	Glu	Ile	Val	Leu	Leu	His	Cys	Phe	Leu	Trp	Pro	Leu	Val	Thr	
65					70					75					80	
Phe	Val	Val	Gly	Val	Leu	Ile	Val	Val	Leu	Thr	Ile	Cys	Ala	Lys	Ser	
				85					90					95		
Leu	Ala	Val	Lys	Ala	Glu	Ala	Met	Xaa	Glu	Ala	Gln	Val	Leu	Leu	Lys	
			100					105					110			
Gly	Lys	Glu	Ala	Cys	Arg	Lys	Gln	Ser	Thr	Glu	Ala	Val	Leu	Ile	Gly	
		115					120					125				
Thr	Arg	Pro	Pro	Ala	Glu	Pro	Val	Phe	Pro	Gly	Ala	Gly	Asp	Gly	Gln	
	130					135					140					
Gly	His	Asp	Arg	Ala	Leu	Arg	Gly	Ser	Ser	Leu	Ser	Gly	Asn	Arg	Asn	
145					150					155					160	
Arg	His	Asn	Trp	Lys	Thr	Trp	Asn	Leu	Lys	Ala	Cys	Ile	Pro	Ser	Ala	
				165					170					175		
Val	Ala	Met	Ala	Lys	Gly	Ser	Arg	Ser								
			180					185								

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<210> 271
<211> 36
<212> PRT
<213> Homo sapiens
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<400> 271
Trp Ile Gln Arg Ile Arg His Glu Thr Asn Pro Lys Cys Ser Tyr Ile
  1             5             10             15
Pro Pro Cys Lys Arg Glu Asn Gln Lys Asn Leu Glu Ser Val Met Asn
      20             25             30
Trp Gln Gln Tyr
      35

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<210> 272
<211> 35
<212> PRT
<213> Homo sapiens
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<400> 272
Trp Lys Asp Glu Ile Gly Ser Gln Pro Phe Thr Cys Tyr Phe Asn Gln
 1             5             10             15
His Gln Arg Pro Asp Asp Val Leu Leu His Arg Thr His Asp Glu Ile
                20             25             30

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Val Leu Leu

35

<210> 273

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 273

His	Cys	Phe	Leu	Trp	Pro	Leu	Val	Thr	Phe	Val	Val	Gly	Val	Leu	Ile
1				5					10					15	

Val	Val	Leu	Thr	Ile	Cys	Ala	Lys	Ser	Leu	Ala	Val	Lys	Ala	Glu	Ala
			20					25						30	

Met	Xaa	Glu
		35

<210> 274

<211> 36

<212> PRT

<213> Homo sapiens

<400> 274

Ala	Gln	Val	Leu	Leu	Lys	Gly	Lys	Glu	Ala	Cys	Arg	Lys	Gln	Ser	Thr
1				5					10					15	

Glu	Ala	Val	Leu	Ile	Gly	Thr	Arg	Pro	Pro	Ala	Glu	Pro	Val	Phe	Pro
			20					25					30		

Gly	Ala	Gly	Asp
			35

<210> 275

<211> 43

<212> PRT

<213> Homo sapiens

<400> 275

Gly	Gln	Gly	His	Asp	Arg	Ala	Leu	Arg	Gly	Ser	Ser	Leu	Ser	Gly	Asn
1				5					10					15	

Arg	Asn	Arg	His	Asn	Trp	Lys	Thr	Trp	Asn	Leu	Lys	Ala	Cys	Ile	Pro
			20					25					30		

Ser	Ala	Val	Ala	Met	Ala	Lys	Gly	Ser	Arg	Ser
			35				40			

<210> 276

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 276

Lys Leu Phe Tyr Lys Lys Lys Cys Thr Cys Ile Cys Gln Lys Leu Leu
1 5 10 15

Tyr Phe Met Met Phe Leu Lys Lys Val Ile Thr Ser Ala Ser Ile Thr
20 25 30

Ser Leu Thr Cys Gln Ser Thr Val Leu Leu Pro Asn Pro Thr Gln Glu
35 40 45

Lys Ala Thr Xaa Lys Asn Thr
50 55

<210> 277

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 277

His Tyr Glu Lys Val Arg Leu Gln Val Pro Ile Arg Asn Ser Arg Val
1 5 10 15

Asp Pro Arg Val Xaa Lys Phe Thr Ile Ser Asp His Pro Gln Pro Ile
20 25 30

Asp Pro Leu Leu Lys Asn Cys Ile Gly Asp Phe Leu Lys Thr Leu Glu
35 40 45

Asp Pro Asp Leu Asn Val Arg Arg Val Ala Leu Val Thr Phe Asn Ser
50 55 60

Ala Ala His Asn Lys Pro Ser Leu Ile Arg Asp Leu Leu Asp Thr Val
65 70 75 80

Leu Pro His Leu Tyr Asn Glu Thr Lys Val Arg Lys Glu Leu Ile Arg
85 90 95

Glu Val Glu Met Gly Pro Phe Lys His Thr Val Asp Asp Gly Leu Asp
100 105 110

Ile Arg Lys Ala Ala Phe Glu Cys Met Tyr Thr Leu Leu Asp Ser Cys
115 120 125

Leu Asp Arg Leu Asp Ile Phe Glu Phe Leu Asn His Val Glu Asp Gly
130 135 140

Leu Lys Asp His Tyr Asp Ile Lys
 145 150

<210> 278
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 278
 His Tyr Glu Lys Val Arg Leu Gln Val Pro Ile Arg Asn Ser Arg Val
 1 5 10 15

Asp Pro Arg Val Xaa Lys Phe Thr Ile Ser Asp His Pro Gln Pro Ile
 20 25 30

Asp Pro Leu Leu Lys
 35

<210> 279
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 279
 Asn Cys Ile Gly Asp Phe Leu Lys Thr Leu Glu Asp Pro Asp Leu Asn
 1 5 10 15

Val Arg Arg Val Ala Leu Val Thr Phe Asn Ser Ala Ala His Asn Lys
 20 25 30

Pro Ser

<210> 280
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 280
 Leu Ile Arg Asp Leu Leu Asp Thr Val Leu Pro His Leu Tyr Asn Glu
 1 5 10 15

Thr Lys Val Arg Lys Glu Leu Ile Arg Glu Val Glu Met Gly Pro Phe
 20 25 30

Lys His Thr Val Asp
 35

<210> 281
 <211> 44

<212> PRT
 <213> Homo sapiens

<400> 281

Asp Gly Leu Asp Ile Arg Lys Ala Ala Phe Glu Cys Met Tyr Thr Leu
 1 5 10 15
 Leu Asp Ser Cys Leu Asp Arg Leu Asp Ile Phe Glu Phe Leu Asn His
 20 25 30
 Val Glu Asp Gly Leu Lys Asp His Tyr Asp Ile Lys
 35 40

<210> 282
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 282

Ile Arg His Glu His Leu Arg Gly Val Gln Glu Arg Val Asn Leu Ser
 1 5 10 15
 Ala Pro Leu Leu Pro Lys Glu Asp Pro Ile Phe Thr Tyr Leu Ser Lys
 20 25 30
 Arg Leu Gly Arg Ser Ile Asp Asp Ile Gly His Leu Ile His Glu Gly
 35 40 45
 Leu Gln Lys Asn Thr Ser Ser Trp Val Leu Tyr Asn Met Ala Ser Phe
 50 55 60
 Tyr Trp Arg Ile Lys Asn Glu Pro Tyr Gln Val Val Glu Cys Ala
 65 70 75

<210> 283
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 283

Ile Arg His Glu His Leu Arg Gly Val Gln Glu Arg Val Asn Leu Ser
 1 5 10 15
 Ala Pro Leu Leu Pro Lys Glu Asp Pro Ile Phe Thr Tyr Leu Ser Lys
 20 25 30
 Arg Leu Gly Arg Ser Ile Asp Asp Ile Gly
 35 40

<210> 284
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 284

His Leu Ile His Glu Gly Leu Gln Lys Asn Thr Ser Ser Trp Val Leu

1 5 10 15
 Tyr Asn Met Ala Ser Phe Tyr Trp Arg Ile Lys Asn Glu Pro Tyr Gln
 20 25 30

Val Val Glu Cys Ala
 35

<210> 285
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 285
 Glu Phe Gly Thr Ser Pro His Gln Thr Cys Gly Arg Arg Pro Gly Thr
 1 5 10 15

Ala Ala Gly Trp Leu Leu Ala His Ser Thr Val
 20 25

<210> 286
 <211> 296
 <212> PRT
 <213> Homo sapiens

<400> 286
 Asn Ser Ala Arg Asp Ser Leu Asn Thr Ala Ile Gln Ala Trp Gln Gln
 1 5 10 15

Asn Lys Cys Pro Glu Val Glu Glu Leu Val Phe Ser His Phe Val Ile
 20 25 30

Cys Asn Asp Thr Gln Glu Thr Leu Arg Phe Gly Gln Val Asp Thr Asp
 35 40 45

Glu Asn Ile Leu Leu Ala Ser Leu His Ser His Gln Tyr Ser Trp Arg
 50 55 60

Ser His Lys Ser Pro Gln Leu Leu His Ile Cys Ile Glu Gly Trp Gly
 65 70 75 80

Asn Trp Arg Trp Ser Glu Pro Phe Ser Val Asp His Ala Gly Thr Phe
 85 90 95

Ile Arg Thr Ile Gln Tyr Arg Gly Arg Thr Ala Ser Leu Ile Ile Lys
 100 105 110

Val Gln Gln Leu Asn Gly Val Gln Lys Gln Ile Ile Ile Cys Gly Arg
 115 120 125

Gln Ile Ile Cys Ser Tyr Leu Ser Gln Ser Ile Glu Leu Lys Val Val
 130 135 140

Gln His Tyr Ile Gly Gln Asp Gly Gln Ala Val Val Arg Glu His Phe
 145 150 155 160

Asp Cys Leu Thr Ala Lys Gln Lys Leu Pro Ser Tyr Ile Leu Glu Asn

165										170					175				
Asn	Glu	Leu	Thr	Glu	Leu	Cys	Val	Lys	Ala	Lys	Gly	Asp	Glu	Asp	Trp				
			180						185						190				
Ser	Arg	Asp	Val	Cys	Leu	Glu	Ser	Lys	Ala	Pro	Glu	Tyr	Ser	Ile	Val				
		195					200						205						
Ile	Gln	Val	Pro	Ser	Ser	Asn	Ser	Ser	Ile	Ile	Tyr	Val	Trp	Cys	Thr				
	210					215					220								
Val	Leu	Thr	Leu	Glu	Pro	Asn	Ser	Gln	Val	Gln	Gln	Arg	Met	Ile	Val				
	225				230						235				240				
Phe	Ser	Pro	Leu	Phe	Ile	Met	Arg	Ser	His	Leu	Pro	Asp	Pro	Ile	Ile				
				245					250					255					
Ile	His	Leu	Glu	Lys	Arg	Ser	Leu	Gly	Leu	Ser	Glu	Thr	Gln	Ile	Ile				
		260						265					270						
Pro	Gly	Lys	Gly	Gln	Glu	Lys	Pro	Leu	Gln	Asn	Ile	Glu	Pro	Asp	Leu				
		275					280					285							
Val	His	His	Leu	Thr	Phe	Gln	Ala												
	290					295													

<210> 287
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 287
 Asn Lys Cys Pro Glu Val Glu Glu Leu Val Phe Ser His Phe Val Ile
 1 5 10 15
 Cys Asn Asp Thr Gln Glu Thr Leu Arg Phe
 20 25

<210> 288
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 288
 His Ile Cys Ile Glu Gly Trp Gly Asn Trp Arg Trp Ser Glu Pro Phe
 1 5 10 15
 Ser Val Asp His Ala Gly Thr Phe Ile
 20 25

<210> 289
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 289

Val Val Arg Glu His Phe Asp Cys Leu Thr Ala Lys Gln Lys Leu Pro
 1 5 10 15

Ser Tyr Ile Leu Glu Asn Asn Glu Leu Thr Glu
 20 25

<210> 290
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 290
 Glu Asp Trp Ser Arg Asp Val Cys Leu Glu Ser Lys Ala Pro Glu Tyr
 1 5 10 15

Ser Ile Val Ile Gln Val Pro Ser Ser Asn Ser
 20 25

<210> 291
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 291
 Ile Ile His Leu Glu Lys Arg Ser Leu Gly Leu Ser Glu Thr Gln Ile
 1 5 10 15

Ile Pro Gly Lys Gly Gln Glu Lys Pro Leu Gln
 20 25

<210> 292
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 292
 Asn Ser Ala Arg Asp Ser Leu Asn Thr Ala Ile Gln Ala Trp Gln Gln
 1 5 10 15

Asn Lys Cys Pro Glu Val Glu Glu Leu Val Phe
 20 25

<210> 293
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 293
 Gln Glu Thr Leu Arg Phe Gly Gln Val Asp Thr Asp Glu Asn Ile Leu
 1 5 10 15

Leu Ala Ser Leu His Ser His Gln Tyr Ser Trp Arg Ser His Lys Ser
 20 25 30

Pro Gln

<210> 294
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 294
 Gln Tyr Arg Gly Arg Thr Ala Ser Leu Ile Ile Lys Val Gln Gln Leu
 1 5 10 15
 Asn Gly Val Gln Lys Gln Ile Ile Ile Cys Gly Arg Gln Ile Ile Cys
 20 25 30
 Ser Tyr Leu Ser Gln Ser Ile Glu
 35 40

<210> 295
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 295
 Asn Ser Ser Ile Ile Tyr Val Trp Cys Thr Val Leu Thr Leu Glu Pro
 1 5 10 15
 Asn Ser Gln Val Gln Gln Arg Met Ile Val Phe Ser Pro Leu Phe Ile
 20 25 30
 Met Arg Ser His Leu Pro Asp Pro Ile
 35 40

<210> 296
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 296

Leu Ile Ile Gln Asp Gln Thr Arg Arg Cys His Gly Leu Trp His Leu
 1 5 10 15

Pro Ser Leu Leu Trp Pro Leu Leu Trp Ser Ser Gly Thr Gly Leu Cys
 20 25 30

Arg Asn Val Cys Arg Leu His Gly Ile Tyr His Xaa Val Leu Xaa Arg
 35 40 45

Val Gly His Ala Tyr Gln Thr Ser Phe Arg Gln Xaa Val Cys Xaa Xaa
 50 55 60

Trp Ala Ala Asp Leu Cys Gly Arg His Glu Glu Gly Ile Ile Glu Asn
 65 70 75 80

Thr Tyr Arg Leu Ser Cys Asn His Val Phe His Glu Phe Cys Ile Arg
 85 90 95

Gly Trp Cys Ile Val Gly Lys Lys Gln Thr Cys Pro Tyr Cys Lys Glu
 100 105 110

Lys Val Asp Leu Lys Arg Met Phe Ser Asn Pro Trp Glu Arg Pro His
 115 120 125

Val Met Tyr Gly Gln Leu Leu Asp Trp Leu Arg Tyr Leu Val Ala Trp
 130 135 140

Gln Pro Val Ile Ile Gly Val Val Gln Gly Ile Asn Tyr Ile Leu Gly
 145 150 155 160

Leu Glu

<210> 297

<211> 164

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 297

Thr	Ala	Phe	Val	Thr	Phe	Arg	Ala	Thr	Arg	Lys	Pro	Leu	Val	Gln	Thr
1				5					10					15	

Thr	Pro	Arg	Leu	Val	Tyr	Lys	Trp	Phe	Leu	Leu	Ile	Tyr	Lys	Ile	Ser
			20					25					30		

Tyr	Ala	Thr	Gly	Ile	Val	Gly	Tyr	Met	Ala	Val	Met	Phe	Thr	Leu	Phe
	35						40					45			

Gly	Leu	Asn	Leu	Leu	Phe	Lys	Ile	Lys	Pro	Glu	Asp	Ala	Met	Asp	Phe
	50					55					60				

Gly	Ile	Ser	Leu	Leu	Phe	Tyr	Gly	Leu	Tyr	Tyr	Gly	Val	Leu	Glu	Arg
65					70				75						80

Asp	Phe	Ala	Glu	Met	Cys	Ala	Asp	Tyr	Met	Ala	Ser	Thr	Ile	Xaa	Phe
				85					90					95	

Xaa	Ser	Glu	Ser	Gly	Met	Pro	Thr	Lys	His	Leu	Ser	Asp	Ser	Xaa	Cys
			100					105					110		

Ala	Xaa	Cys	Gly	Gln	Gln	Ile	Phe	Val	Asp	Val	Met	Lys	Arg	Gly	Ser
		115					120					125			

Leu	Arg	Thr	Arg	Ile	Gly	Cys	Pro	Ala	Ile	Met	Ser	Ser	Thr	Ser	Ser
	130					135						140			

Ala	Ser	Val	Ala	Gly	Ala	Ser	Trp	Glu	Arg	Ser	Lys	Arg	Val	Pro	Thr
145					150					155					160

Ala Lys Arg Arg

<210> 298

<211> 25

<212> PRT

<213> Homo sapiens

<400> 298

Leu	Ile	Ile	Gln	Asp	Gln	Thr	Arg	Arg	Cys	His	Gly	Leu	Trp	His	Leu
1					5				10					15	

Pro	Ser	Leu	Leu	Trp	Pro	Leu	Leu	Trp
		20						25

<210> 299

<211> 26

<212> PRT

<213> Homo sapiens

<220>
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 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 299
 Ser Ser Gly Thr Gly Leu Cys Arg Asn Val Cys Arg Leu His Gly Ile
 1 5 10 15

Tyr His Xaa Val Leu Xaa Arg Val Gly His
 20 25

<210> 300
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 300
 Ala Tyr Gln Thr Ser Phe Arg Gln Xaa Val Cys Xaa Xaa Trp Ala Ala
 1 5 10 15

Asp Leu Cys Gly Arg His Glu Glu
 20

<210> 301
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 301
 Gly Ile Ile Glu Asn Thr Tyr Arg Leu Ser Cys Asn His Val Phe His
 1 5 10 15

Glu Phe Cys Ile Arg Gly Trp Cys Ile Val Gly Lys Lys Gln
 20 25 30

<210> 302
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 302
 Thr Cys Pro Tyr Cys Lys Glu Lys Val Asp Leu Lys Arg Met Phe Ser
 1 5 10 15

Asn Pro Trp Glu Arg Pro His Val Met Tyr Gly Gln Leu Leu Asp
 20 25 30

<210> 303
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 303
 Trp Leu Arg Tyr Leu Val Ala Trp Gln Pro Val Ile Ile Gly Val Val
 1 5 10 15

Gln Gly Ile Asn Tyr Ile Leu Gly Leu Glu
 20 25

<210> 304
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 304
 Thr Ala Phe Val Thr Phe Arg Ala Thr Arg Lys Pro Leu Val Gln Thr
 1 5 10 15

Thr Pro Arg Leu Val Tyr Lys Trp Phe Leu Leu Ile
 20 25

<210> 305
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 305
 Tyr Lys Ile Ser Tyr Ala Thr Gly Ile Val Gly Tyr Met Ala Val Met
 1 5 10 15

Phe Thr Leu Phe Gly Leu Asn Leu Leu Phe Lys Ile Lys
 20 25

<210> 306
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 306

Pro Glu Asp Ala Met Asp Phe Gly Ile Ser Leu Leu Phe Tyr Gly Leu
 1 5 10 15

Tyr Tyr Gly Val Leu Glu .
 20

<210> 307
 <211> 28
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 307
 Arg Asp Phe Ala Glu Met Cys Ala Asp Tyr Met Ala Ser Thr Ile Xaa
 1 5 10 15

Phe Xaa Ser Glu Ser Gly Met Pro Thr Lys His Leu
 20 25

<210> 308
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 308
 Ser Asp Ser Xaa Cys Ala Xaa Cys Gly Gln Gln Ile Phe Val Asp Val
 1 5 10 15

Met Lys Arg Gly Ser Leu Arg Thr Arg Ile Gly Cys Pro Ala Ile Met
 20 25 30

<210> 309
 <211> 25
 <212> PRT

<213> Homo sapiens

<400> 309

Ser Ser Thr Ser Ser Ala Ser Val Ala Gly Ala Ser Trp Glu Arg Ser
1 5 10 15

Lys Arg Val Pro Thr Ala Lys Arg Arg
20 25

<210> 310

<211> 20

<212> PRT

<213> Homo sapiens

<400> 310

His Glu Phe Cys Ile Arg Gly Trp Cys Ile Val Gly Lys Lys Gln Thr
1 5 10 15

Cys Pro Tyr Cys
20

<210> 311

<211> 28

<212> PRT

<213> Homo sapiens

<400> 311

Ala Thr Ser Met Lys Arg Leu Ser His Pro Ser Ile Cys Arg Thr Gly
1 5 10 15

Leu Pro Leu Ser Gln Gln Lys Arg Ala Ser Leu Leu
20 25

<210> 312

<211> 19

<212> PRT

<213> Homo sapiens

<400> 312

Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Pro Gly Arg His Leu
1 5 10 15

Gly Ser Ser

<210> 313

<211> 116

<212> PRT

<213> Homo sapiens

<400> 313

Met Ile Ile Leu Ser Cys Cys Ser Leu Trp Ile Tyr Asp Tyr Leu Ile
1 5 10 15

His Pro Val Pro Ser Val Gly His Arg Val Cys Leu Cys Cys Leu Pro

20 25 30
 Glu Ser Ala Thr Gly Arg Ile Ser Pro Leu Gly Glu Gly Pro Arg Lys
 35 40 45
 Trp His Gly Leu Arg Arg Ser Pro Glu His Ile Ser Leu Gly Gly Leu
 50 55 60
 Leu Leu Ser Ser Arg Leu Met Ala Phe Cys Asn Leu Ser Arg Ala Val
 65 70 75 80
 Leu Pro Gly Asn Arg Thr Met Glu Thr Glu Thr Tyr Gln Leu Trp Ala
 85 90 95
 Ser Gln Tyr Gln Arg Lys Trp Val Ser Arg Ser Leu Ser Gln Val Gln
 100 105 110
 Cys Leu Arg Leu
 115

<210> 314
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 314
 Cys Cys Ser Leu Trp Ile Tyr Asp Tyr Leu Ile His Pro Val Pro Ser
 1 5 10 15
 Val Gly His Arg Val
 20

<210> 315
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 315
 Ile Ser Pro Leu Gly Glu Gly Pro Arg Lys Trp His Gly Leu Arg Arg
 1 5 10 15
 Ser Pro Glu His Ile Ser Leu Gly Gly Leu
 20 25

<210> 316
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 316
 Arg Ala Val Leu Pro Gly Asn Arg Thr Met Glu Thr Glu Thr Tyr Gln
 1 5 10 15
 Leu Trp Ala Ser Gln Tyr Gln Arg Lys Trp Val Ser Arg
 20 25

<210> 317
 <211> 149
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
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<220>
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 <223> Xaa equals any of the naturally occurring L-amino acids

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 <222> (140)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 317
 Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu His Leu Ser Thr Leu
 1 5 10 15
 Asp Arg Ser Val Ile Trp Ser Lys Ser Ile Leu Asn Ala Arg Cys Lys
 20 25 30
 Ile Cys Arg Lys Lys Gly Asp Ala Glu Asn Met Val Leu Cys Asp Gly
 35 40 45
 Cys Asp Arg Gly His His Thr Tyr Cys Val Arg Pro Lys Leu Lys Thr
 50 55 60
 Val Pro Glu Gly Asp Trp Phe Cys Pro Glu Cys Arg Pro Lys Gln Arg
 65 70 75 80
 Ser Arg Arg Leu Ser Ser Arg Gln Arg Pro Ser Leu Glu Ser Asp Glu
 85 90 95
 Asp Val Glu Asp Ser Met Gly Gly Glu Asp Asp Glu Val Asp Gly Asp
 100 105 110
 Glu Glu Glu Gly Gln Ser Glu Glu Glu Glu Tyr Glu Val Glu Gln Xaa
 115 120 125
 Glu Asp Asp Ser Xaa Glu Glu Xaa Glu Val Arg Xaa Val Leu Xaa Cys
 130 135 140

Asn Lys Met Ser Gln
145

<210> 318
<211> 11
<212> PRT
<213> Homo sapiens

<400> 318
Met Arg Val Ala Arg Tyr Val Glu Arg Lys Ala
1 5 10

<210> 319
<211> 22
<212> PRT
<213> Homo sapiens

<400> 319
Glu His Leu Ser Thr Leu Asp Arg Ser Val Ile Trp Ser Lys Ser Ile
1 5 10 15

Leu Asn Ala Arg Cys Lys
20

<210> 320
<211> 32
<212> PRT
<213> Homo sapiens

<400> 320
Thr Val Pro Glu Gly Asp Trp Phe Cys Pro Glu Cys Arg Pro Lys Gln
1 5 10 15

Arg Ser Arg Arg Leu Ser Ser Arg Gln Arg Pro Ser Leu Glu Ser Asp
20 25 30

<210> 321
<211> 6
<212> PRT
<213> Homo sapiens

<400> 321
Ile Arg His Glu Asp Asp
1 5

<210> 322
<211> 183
<212> PRT
<213> Homo sapiens

<220>

<221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 322
 Gln Arg Trp Leu Lys His Gly Ala Asn Gln Cys Lys Phe Glu His Asn
 1 5 10 15
 Asp Cys Leu Asp Lys Ser Tyr Lys Cys Tyr Ala Ala Xaa Glu Xaa Val
 20 25 30
 Gly Glu Asn Ile Trp Leu Gly Gly Ile Lys Ser Phe Thr Pro Arg His
 35 40 45
 Ala Ile Thr Ala Trp Tyr Asn Glu Thr Gln Phe Tyr Asp Phe Asp Ser
 50 55 60
 Leu Ser Cys Ser Arg Val Cys Gly His Tyr Thr Gln Leu Val Trp Ala
 65 70 75 80
 Asn Ser Phe Tyr Val Gly Xaa Ala Xaa Ala Met Cys Pro Asn Leu Gly
 85 90 95
 Gly Ala Ser Thr Ala Ile Phe Val Cys Asn Tyr Gly Pro Ala Gly Asn
 100 105 110
 Phe Ala Asn Met Pro Pro Tyr Val Arg Gly Glu Ser Cys Ser Leu Cys
 115 120 125
 Ser Lys Glu Glu Lys Cys Val Lys Asn Leu Cys Lys Asn Pro Phe Leu
 130 135 140
 Lys Pro Thr Gly Arg Ala Pro Gln Gln Thr Ala Phe Asn Pro Xaa Gln
 145 150 155 160
 Leu Arg Phe Ser Ser Ser Glu Asn Leu Leu Met Ser Phe Ile Tyr Lys
 165 170 175

Arg Asn Ser Gln Met Leu Lys

180

<210> 323
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 323
 Asp Pro Pro His Pro Ser
 1 5

<210> 324
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 324
 Cys Leu Asp Lys Ser Tyr Lys Cys Tyr Ala Ala Xaa Glu Xaa Val Gly
 1 5 10 15

Glu Asn Ile Trp Leu Gly Gly Ile Lys Ser Phe Thr Pro
 20 25

<210> 325
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 325
 Glu Thr Gln Phe Tyr Asp Phe Asp Ser Leu Ser Cys Ser Arg Val Cys
 1 5 10 15

Gly His Tyr Thr Gln Leu Val Trp Ala Asn Ser Phe Tyr Val Gly Xaa
 20 25 30

Ala Xaa Ala Met Cys Pro Asn Leu

35

40

<210> 326
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 326
 Ser Thr Ala Ile Phe Val Cys Asn Tyr Gly Pro Ala Gly Asn Phe Ala
 1 5 10 15
 Asn Met Pro Pro Tyr Val Arg Gly Glu Ser Cys Ser
 20 25

<210> 327
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 327
 Pro Gln Gln Thr Ala Phe Asn Pro Xaa Gln Leu Arg Phe Ser Ser Ser
 1 5 10 15
 Glu Asn Leu Leu Met Ser Phe Ile Tyr Lys
 20 25

<210> 328
 <211> 164
 <212> PRT
 <213> Homo sapiens

<400> 328
 Thr Glu Gly Gly Cys Ala Leu Val Pro Asn Asp Met Glu Ser Leu Lys
 1 5 10 15
 Gln Lys Leu Val Arg Val Leu Glu Glu Asn Leu Ile Leu Ser Glu Lys
 20 25 30
 Ile Gln Gln Leu Glu Glu Gly Ala Ala Ile Ser Ile Val Ser Gly Gln
 35 40 45
 Gln Ser His Thr Tyr Asp Asp Leu Leu His Lys Asn Gln Gln Leu Thr
 50 55 60
 Met Gln Val Ala Cys Leu Asn Gln Glu Leu Ala Gln Leu Lys Lys Leu
 65 70 75 80
 Glu Lys Thr Val Ala Ile Leu His Glu Ser Gln Arg Ser Leu Val Val
 85 90 95
 Thr Asn Glu Tyr Leu Leu Gln Gln Leu Asn Lys Glu Pro Lys Gly Tyr

100	105	110
Ser Gly Lys Ala Leu Leu Pro Pro Glu Lys Gly His His Leu Gly Arg		
115	120	125
Ser Ser Pro Phe Gly Lys Ser Thr Leu Ser Ser Ser Ser Pro Val Ala		
130	135	140
His Glu Thr Gly Gln Tyr Leu Ile Gln Ser Val Leu Asp Ala Ala Pro		
145	150	155
		160
Glu Pro Gly Leu		

<210> 329
 <211> 5
 <212> PRT
 <213> Homo sapiens

<400> 329
 Ser Met Val Ser Lys
 1 5

<210> 330
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 330
 Met Glu Ser Leu Lys Gln Lys Leu Val Arg Val Leu Glu Glu Asn Leu
 1 5 10 15
 Ile Leu Ser Glu Lys Ile Gln Gln Leu Glu Glu Gly Ala Ala Ile Ser
 20 25 30
 Ile Val Ser Gly Gln Gln
 35

<210> 331
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 331
 Asp Leu Leu His Lys Asn Gln Gln Leu Thr Met Gln Val Ala Cys Leu
 1 5 10 15
 Asn Gln Glu Leu Ala Gln Leu Lys Lys Leu Glu Lys Thr Val Ala
 20 25 30

<210> 332
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 332

Ser Ser Pro Phe Gly Lys Ser Thr Leu Ser Ser Ser Ser Pro Val Ala
 1 5 10 15

His Glu Thr Gly Gln Tyr Leu Ile Gln Ser Val
 20 25

<210> 333

<211> 50

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 333

Asn Thr Asp Trp Asp Gln Thr Val Leu Ile Val Leu Arg Ile Ser Ser
 1 5 10 15

Thr Leu Pro Val Ala Leu Leu Arg Asp Glu Val Pro Gly Trp Phe Leu
 20 25 30

Lys Xaa Pro Glu Pro Gln Leu Ile Ser Lys Glu Leu Ile Met Leu Thr
 35 40 45

Glu Val
 50

<210> 334

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 334

Val Leu Ile Val Leu Arg Ile Ser Ser Thr Leu Pro Val Ala Leu Leu
 1 5 10 15

Arg Asp Glu Val Pro Gly Trp Phe Leu Lys Xaa Pro Glu Pro Gln
 20 25 30

<210> 335

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 335

Gly Xaa Ser Ser Ile Ser Ala Val Val Pro Ala Ala Ser Leu Trp Val
 1 5 10 15

Trp Pro Gly Leu Arg Val Phe Arg
 20

<210> 336

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 336

Val Cys Gln Tyr Cys Thr Ala Xaa Met Ala Asp Phe Gly Ile Ser Ala
 1 5 10 15

Gly Gln Phe Val Ala Val Val Trp Asp Lys Ser Ser Pro Val Glu Ala
 20 25 30

Leu Lys Gly Leu Val Asp Lys Leu Gln Ala Leu Thr Gly Asn Glu Gly
 35 40 45

Arg Val Ser Val Glu Asn Ile
 50 55

<210> 337

<211> 35

<212> PRT

<213> Homo sapiens

<400> 337

Met Ala Asp Phe Gly Ile Ser Ala Gly Gln Phe Val Ala Val Val Trp
 1 5 10 15

Asp Lys Ser Ser Pro Val Glu Ala Leu Lys Gly Leu Val Asp Lys Leu
 20 25 30

Gln Ala Leu
 35

<210> 338

<211> 12

<212> PRT

<213> Homo sapiens

<400> 338

Ser Lys Cys Cys Ile Thr Thr Thr Trp Lys Pro Leu
 1 5 10

<210> 339
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 339
 Met Ser Ser Pro Leu Leu Thr Ala Ser Ser Leu Gly Gln Ala Gly Thr
 1 5 10 15
 Leu Arg Lys Ile Lys Pro Ser Leu Thr Thr His His Ile Gln Cys Pro
 20 25 30
 Cys Ser Ser Leu Arg Glu Glu Gly Arg Thr Ser Gln
 35 40

<210> 340
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 340
 Gly Leu Trp Thr Gly Ile Asn His Arg Asn Met Ile
 1 5 10

<210> 341
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 341
 Phe Gln Arg Glu Val Phe Ala Pro Pro Ser
 1 5 10

<210> 342
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 342
 Ile Gly Gln Gly Arg His Ser Asp Ser Arg Glu Lys Ser Leu Leu Leu
 1 5 10 15
 His Leu Trp Lys Asn Phe Ser His Cys Ile Tyr Tyr Tyr Met Phe Leu
 20 25 30
 Thr Gly Val Ser Leu Leu Leu Asp Arg Glu Gln Val Tyr Leu Leu Leu
 35 40 45
 Ser Pro Gln Pro Leu Asp Leu Gly Arg Leu Ile Val Asp Ile Trp Glu
 50 55 60
 Met Leu Gly Lys Glu Arg Arg Gly Gly Glu Arg Lys Asp Ser Met Ala
 65 70 75 80
 Met Ser Lys Cys Pro Ala Met Ser
 85

<210> 343
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 343
 Lys Asn Phe Ser His Cys Ile Tyr Tyr Tyr Met Phe Leu Thr Gly Val
 1 5 10 15
 Ser Leu Leu Leu Asp Arg Glu Gln Val Tyr Leu Leu
 20 25

<210> 344
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 344
 Val Asp Ile Trp Glu Met Leu Gly Lys Glu Arg Arg Gly Gly Glu Arg
 1 5 10 15
 Lys Asp Ser Met Ala Met Ser Lys Cys
 20 25

<210> 345
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 345
 Lys Glu Ile Pro Thr Val Trp His Gln Asp Leu Cys Asp Leu Gln Gly
 1 5 10 15
 Ala Cys Phe Pro Gln Gln Ser Leu Phe Tyr Thr Thr Cys Ser Pro His
 20 25 30
 His Pro Gly Pro Phe His Leu Leu Lys Asn Thr Glu Leu Leu Phe Thr
 35 40 45
 Val Gly Pro Leu Asn Ala Tyr Phe Ser Lys Phe His Ser Ser Thr Arg
 50 55 60
 Leu Gln Glu Phe Ser Leu Arg Glu Glu Ser Lys Gln Val Trp Pro Gln
 65 70 75 80
 Leu Leu Glu Met Ala Glu Glu Arg Val Phe Ser Leu Asn Gly Gly Gly
 85 90 95
 Gly Ser Cys Val Leu Gly Asn Pro Ile Ser Pro Phe Ile Ser
 100 105 110

<210> 346
 <211> 32
 <212> PRT

<213> Homo sapiens

<400> 346

Cys Asp Leu Gln Gly Ala Cys Phe Pro Gln Gln Ser Leu Phe Tyr Thr
 1 5 10 15

Thr Cys Ser Pro His His Pro Gly Pro Phe His Leu Leu Lys Asn Thr
 20 25 30

<210> 347

<211> 26

<212> PRT

<213> Homo sapiens

<400> 347

Phe Thr Val Gly Pro Leu Asn Ala Tyr Phe Ser Lys Phe His Ser Ser
 1 5 10 15

Thr Arg Leu Gln Glu Phe Ser Leu Arg Glu
 20 25

<210> 348

<211> 27

<212> PRT

<213> Homo sapiens

<400> 348

Val Trp Pro Gln Leu Leu Glu Met Ala Glu Glu Arg Val Phe Ser Leu
 1 5 10 15

Asn Gly Gly Gly Gly Ser Cys Val Leu Gly Asn
 20 25

<210> 349

<211> 10

<212> PRT

<213> Homo sapiens

<400> 349

Ser Thr His Ala Ser Ala Leu His Gly Glu
 1 5 10

<210> 350

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 350

Met Gly Ile Ser Ala Cys Xaa Leu Pro Pro Ala Ser Leu Pro Phe Pro
 1 5 10 15

Ala Glu Ala Ala Pro Glu Pro Leu Pro Ser Arg
 20 25

<210> 351

<211> 27

<212> PRT

<213> Homo sapiens

<400> 351

Gly Leu Leu His Ser Ser Gly Cys Lys Ile Tyr Ile Leu Leu Pro Glu
 1 5 10 15

Val Asp Thr Phe Ala Trp Val Leu Phe Lys Glu
 20 25

<210> 352

<211> 77

<212> PRT

<213> Homo sapiens

<400> 352

Asp Tyr Ser Ile Pro Leu Asp Val Lys Ser Thr Phe Ser Cys Leu Arg
 1 5 10 15

Trp Ile Arg Leu Leu Gly Phe Cys Leu Arg Arg Trp Gly Gln Gln Cys
 20 25 30

Val Ser Gly Pro Val Lys Cys Val Leu Tyr Pro Gly Phe Cys Leu Ile
 35 40 45

Ser Val Phe Ser Leu Ala Tyr Gln Ser His Cys Arg Gly Tyr Leu Val
 50 55 60

Ser Glu Ser Arg Thr Phe Pro Gly Cys Cys Gly Thr Asp
 65 70 75

<210> 353

<211> 26

<212> PRT

<213> Homo sapiens

<400> 353

Lys Ser Thr Phe Ser Cys Leu Arg Trp Ile Arg Leu Leu Gly Phe Cys
 1 5 10 15

Leu Arg Arg Trp Gly Gln Gln Cys Val Ser
 20 25

<210> 354

<211> 28

<212> PRT

<213> Homo sapiens

<400> 354

Leu Tyr Pro Gly Phe Cys Leu Ile Ser Val Phe Ser Leu Ala Tyr Gln
1 5 10 15

Ser His Cys Arg Gly Tyr Leu Val Ser Glu Ser Arg
20 25

<210> 355

<211> 8

<212> PRT

<213> Homo sapiens

<400> 355

Gly Thr Arg Thr Ala Val Gln Ser
1 5

<210> 356

<211> 11

<212> PRT

<213> Homo sapiens

<400> 356

Leu Thr Gln Glu Pro Cys Pro Ile Ser Val Ser
1 5 10

<210> 357

<211> 16

<212> PRT

<213> Homo sapiens

<400> 357

Leu Cys Ile Trp Thr Arg Phe Ile Phe Leu Phe Lys Val Ala Ile His
1 5 10 15

<210> 358

<211> 65

<212> PRT

<213> Homo sapiens

<400> 358

Ile Phe Pro Lys Pro His Met Thr Pro Val Cys Phe Arg Leu Leu Glu
1 5 10 15

Ala Leu Glu Glu Ser Ile Gly Val Asp Glu Met Glu Ser Phe Lys Ser
20 25 30

Cys Phe Gly Phe Cys Phe Cys Val Trp Val Phe Lys Glu Ser Ile Ser
35 40 45

Cys His Val Glu Glu Asn Pro Gly Gly Gly Cys Pro Pro Thr Gly Arg

50

55

60

Arg
65

<210> 359
<211> 28
<212> PRT
<213> Homo sapiens

<400> 359
Glu Ser Ile Gly Val Asp Glu Met Glu Ser Phe Lys Ser Cys Phe Gly
1 5 10 15

Phe Cys Phe Cys Val Trp Val Phe Lys Glu Ser Ile
20 25

<210> 360
<211> 18
<212> PRT
<213> Homo sapiens

<400> 360
Asp Phe Leu Leu Phe Pro His Ala Gly Pro Asn Ser Lys Phe Pro Arg
1 5 10 15

Ala Asp

<210> 361
<211> 56
<212> PRT
<213> Homo sapiens

<400> 361
Leu His Arg Glu Leu Pro Leu Leu Trp Ala Lys Asp Lys Lys Glu Cys
1 5 10 15

Arg Leu Val Ser Arg Met Ile Lys Leu His Ser Ala Tyr Ser Ser Arg
20 25 30

Val Arg Pro Val Leu Val Gly Phe Arg Ala Ala Phe Arg Pro Ala Gly
35 40 45

Leu Arg Leu Pro Leu Met Arg Met
50 55

<210> 362
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 362

Ala Phe Ala Lys Ser Tyr Leu Gly Asp Thr Ile Glu Gly Thr Xaa Ala
1 5 10 15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Pro Ala Trp
20 25 30

Arg Pro Arg Arg Gly Ala Ala Thr Arg Arg Phe Ala Ser Ser Leu Arg
35 40 45

Ile Ile Cys Gly Arg Val Pro
50 55

<210> 363

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 363

Arg Arg Xaa Lys Ala Phe Val Thr Gln Asp Ile Pro Phe Tyr His Xaa
1 5 10 15

Leu Val Met Lys His Leu Pro Gly Ala Asp Pro Glu Leu Val Leu Leu
20 25 30

Gly Arg Arg Tyr Glu Glu Leu Glu Arg Ile Pro Leu Ser Glu Met Thr
35 40 45

Arg Glu Glu Ile Asn Ala Leu Val Gln Glu Leu Gly Phe Tyr Arg Lys
50 55 60

Ala Ala Pro Asp Ala Gln Val Pro Pro Glu Tyr Val Trp Ala Pro Ala
65 70 75 80

Lys Pro Pro Glu Glu Thr Ser Asp His Ala Asp Leu
85 90

<210> 364

<211> 44

<212> PRT

<213> Homo sapiens

<400> 364

Val Ala Glu Ser Thr Glu Glu Pro Ala Gly Ser Asn Arg Gly Gln Tyr
1 5 10 15

Pro Glu Asp Ser Ser Ser Asp Gly Leu Arg Gln Arg Glu Val Leu Arg
 20 25 30

Asn Leu Ser Ser Pro Gly Trp Glu Asn Ile Ser Arg
 35 40

<210> 365
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 365
 Ala Arg Glu Pro Leu Gly Leu Thr Gln Asp Pro Leu Val Phe Gly Met
 1 5 10 15

Thr Ser Phe Leu Gln Thr Ser Ser Pro Ile Pro Asn Ser Cys
 20 25 30

<210> 366
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 366
 Phe Gln Ala Pro Ala Ser Ala Arg Thr Ala Cys Ser Thr Leu Leu
 1 5 10 15

<210> 367
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 367
 Val Leu Leu Cys His Gln Ala Gly Val Gln Trp His Ala Arg Leu Thr
 1 5 10 15

Ala Thr Ser Thr Ser Arg Val Ala Ala Ile Leu Leu Pro Gln Pro Pro
 20 25 30

Glu

<210> 368
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 368
 Ala Gln Pro Ser Pro Cys Pro Ser Cys Leu Ala His Ser Trp Pro Pro
 1 5 10 15

Phe Arg Leu Leu Ser Leu Pro Pro Pro Ala Gly Ala Ser Leu Gly Asp
 20 25 30

Gly Arg Val Cys Ser
35

<210> 369
<211> 121
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 369
His Ser Leu Pro Pro Ala Leu Pro Ala Trp Leu Thr Pro Gly His Pro
1 5 10 15
Ser Asp Ser Ser Leu Cys Leu Leu Gln Leu Ala Pro His Leu Val Met
20 25 30
Ala Val Ser Val Pro Trp Pro Leu Pro Glu Xaa Leu Gly Phe Ser Cys
35 40 45
Cys His Cys Val Ser Leu Thr Gly Pro His Ala Gly Phe Ser Tyr His
50 55 60
Phe Leu His Pro Ala Glu Pro Arg Ala Trp Gln His Gln Ser Ser Val
65 70 75 80
Val Gly Met Ser Arg Lys Gln Ala Ser Phe Ser Met Ala Gln Lys Gly
85 90 95
Val Cys His Leu Gly Lys Ser Xaa Lys Arg Gly Ser Lys Lys Ala Ser
100 105 110
Cys Pro Xaa Tyr Pro Ser Phe Ser Lys
115 120

<210> 370
<211> 34
<212> PRT
<213> Homo sapiens

<400> 370
Asp Ala Asn Pro Gly Ser Arg Val Pro Glu Gln Cys Ser Asn Tyr Tyr
1 5 10 15

Pro Leu Leu Pro Leu Ile His Pro Met Thr Phe Phe Cys Leu Thr Tyr
 20 25 30

Thr Gly

<210> 371
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 371
 Pro Ser Phe Val Leu Pro Thr Leu Gly Cys Val Trp Asp Met His Phe
 1 5 10 15
 Ala Cys Cys Tyr Leu Ile Leu Ala Glu Cys Ile Val Leu Ala Ile Cys
 20 25 30
 Val Tyr Ser Gln Phe Arg Phe Cys Gln Ala Ser Thr Met Lys Glu Glu
 35 40 45
 Arg Gly Lys Gly Ile Glu Gly Ala Tyr Lys Gly Val Val Arg Glu Met
 50 55 60
 Asp Val Lys Ser Lys Leu Gly Lys Leu Arg Ser Lys Asp Met Ile
 65 70 75

<210> 372
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 372
 Ile Gly Ile Arg Val Trp Tyr Tyr Arg Asn Gln Lys Asn Ser Lys Gln
 1 5 10 15
 Met Trp Ile Lys Cys Leu Gly Ser
 20

<210> 373
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 373
 Gln Cys Ser Gly Ile Ser Gly Ser Ser Leu Ile Cys Lys Met Arg Gly
 1 5 10 15
 Ser Glu Gln Val Ile Ser Met Phe Leu Pro Phe Leu Ile Leu Leu Ser
 20 25 30
 Val Ala Tyr Ser Leu Tyr Gly Glu Phe Asn Lys Leu Tyr
 35 40 45

<210> 374

<211> 67
 <212> PRT
 <213> Homo sapiens

<400> 374
 Tyr Phe Met Met Ile Lys Pro Gln Phe Ile Tyr Ser Pro Val Asp Arg
 1 5 10 15
 Gln Leu Gly Cys Phe Gln Phe Phe Ala Val Thr Asn Thr Pro Val Met
 20 25 30
 Gly Ile Ile Leu Ser Pro Phe Tyr Ile Asp Thr Lys Val Ser Leu Arg
 35 40 45
 Tyr Ile Pro Arg Asn Gly Ile Ser Glu Phe Leu Gly Tyr Gly His Ser
 50 55 60
 Gln Leu Tyr
 65

<210> 375
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 375
 Lys Gly Cys Leu Thr Gln Leu Leu Arg Glu Pro Val Pro Gln Ile Gln
 1 5 10 15
 Cys

<210> 376
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 376
 Phe Cys Asn Leu Cys Phe Thr Ile Ile Arg Glu Gly Gly Arg Arg Ala
 1 5 10 15
 Gly Gly Glu Thr Ile Tyr Tyr Phe Ser Gly Ile Leu Thr Ala Trp Lys
 20 25 30
 Lys Arg Glu Thr Glu Lys Gln Ser Arg Glu Gly Ala Ser His Ser Glu
 35 40 45
 Phe Asn Leu Ser Val Lys
 50

<210> 377
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 377

Ala Arg Ala Arg Ala Val Gly Phe Pro Ser Val Cys Ser Val Gly Ser
 1 5 10 15

Glu His Ser Leu
 20

<210> 378
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 378
 Lys Thr Lys Ser Pro Tyr Pro Leu His Pro Cys Phe Trp Leu Met Tyr
 1 5 10 15

Gly

<210> 379
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 379
 Pro Thr Val Tyr Gln Ala Leu Gly Lys Gly His Ser Val Arg Glu Gly
 1 5 10 15

Met Val Pro Ala Gly Leu Ser Ser Pro Trp Ala Cys Glu Glu Asn Ala
 20 25 30

Arg Leu Asp Leu Asp Tyr Cys Lys Cys Gln Xaa Trp Pro Ser Val Gly
 35 40 45

Phe Arg Gly Arg Ser Glu Leu Ser Trp Asn Leu Ser Phe Leu Pro Gln
 50 55 60

Phe Ala
 65

<210> 380
 <211> 102
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 380

Leu Met Pro Cys Leu Gly Ser Ala Pro Ala Arg Asn Glu Gly Tyr Arg
1 5 10 15

Leu Trp Pro Ile Thr Glu Gln Ile Leu Asn Lys His Pro Leu Gly Val
20 25 30

Thr Leu Asn Gly Ala Cys Phe Ser Lys Leu Leu Pro Phe Leu Gly Ser
35 40 45

Glu Gln Leu Ser Arg Glu Leu Val Ser Ser Ala Ala Pro Glu His Cys
50 55 60

Ala Phe Xaa Asp Phe Glu Lys Ser Phe Leu Lys Xaa Pro Leu Gly Ser
65 70 75 80

Leu Asp Gln Pro Lys Ser Lys Gly Phe Lys Arg Ala Asn Leu Ile Gly
85 90 95

Thr Ala His Ser Pro Val
100

<210> 381

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 381

Leu Met Pro Cys Leu Gly Ser Ala Pro Ala Arg Asn Glu Gly Tyr Arg
1 5 10 15

Leu Trp Pro Ile Thr Glu Gln Ile Leu Asn Lys His Pro Leu Gly Val
20 25 30

Thr Leu Asn Gly Ala Cys Phe Ser Lys Leu Leu Pro Phe Leu Gly Ser
35 40 45

Glu Gln Leu Ser Arg Glu Leu Val Ser Ser Ala Ala Pro Glu His Cys
50 55 60

Ala Phe Xaa
65

<210> 382

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Asp Phe Glu Lys Ser Phe Leu Lys Xaa Pro Leu Gly Ser Leu Asp Gln
1 5 10 15

Pro Lys Ser Lys Gly Phe Lys Arg Ala Asn Leu Ile Gly Thr Ala His
20 25 30

Ser Pro Val
35

<210> 383

<211> 44

<212> PRT

<213> Homo sapiens

<400> 383

His Glu Val Ser Cys Pro Pro Gln Cys Gly Ser Val Glu Gly Gln Lys
1 5 10 15

Gln Gly Met Gly Glu Gly Arg Trp Glu Gly Val Thr Ala Ala Arg Met
20 25 30

Arg Lys Ala Ala Arg Pro Ala Gly Ser Pro Glu Ser
35 40

<210> 384

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 384

Val Thr Gly Ser Arg Val Leu Pro Asn Pro Pro Gln Lys Ser Val Val
1 5 10 15

Lys Gly Pro Gly His Trp Gly Val Glu Ser Ala Arg Pro Asp Leu Leu
20 25 30

Gly Val Val Ser Val Gly Ala Ile Tyr Pro Val Leu Xaa Thr Thr Pro
35 40 45

Gly Gln Leu Arg Phe Val Glu Arg Pro Ser His Leu Leu Pro Ala Leu
50 55 60

Xaa Pro His Arg Ser Leu Val Gly Arg Glu Asn
 65 70 75

<210> 385
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 385
 His Glu Leu Arg Leu Arg Pro Glu Arg Lys Ala Trp Gly Pro Pro Asp
 1 5 10 15
 Ser Gly Pro Pro Gly Pro Pro Gln Val Phe Gly Gln Arg Cys Pro Ala
 20 25 30
 His Gly Ser Trp Gly Ser Asn Gly Cys Gly Phe Phe Leu Ser Val Ala
 35 40 45
 Trp Thr Cys His Trp Pro Arg Leu Tyr Phe Leu Ile Cys Asp Ser Gly
 50 55 60
 Asp His Ser Ser Gln Phe Thr Val Phe Gly Arg Gly Asp
 65 70 75

<210> 386
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 386
 Lys Pro Leu Phe Leu His Ser Pro Gln Ile Ser Phe Phe Ser Tyr Asn
 1 5 10 15
 Leu Val Ser Leu Met Cys Ser Thr Glu Val Leu Phe Phe Cys Asn Asn
 20 25 30

Lys

<210> 387
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 387
 Lys Pro Leu Phe Leu His Ser Pro Gln Ile Ser Phe Phe Ser Tyr Asn
 1 5 10 15
 Leu Val Ser Leu Met Cys Ser Thr Glu Val Leu Phe Phe Cys Asn Asn
 20 25 30

Lys

<210> 388

<211> 50
 <212> PRT
 <213> Homo sapiens

<400> 388

Leu His Phe Ser His Thr Phe Leu Ser Thr Lys Asn His Glu Ser Leu
 1 5 10 15

Asn Tyr Ser Ser Ser His Arg Ile Glu Ser Lys Tyr Gln Arg Ser His
 20 25 30

Pro Phe Lys Thr Gln Phe Phe His Cys Ser Ile Arg Tyr Val Leu Tyr
 35 40 45

Val Arg
 50

<210> 389
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 389

Glu Arg Ile Leu Cys Arg Lys Ser Lys Phe Phe Trp Thr Leu Pro Ala
 1 5 10 15

Tyr

<210> 390
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 390

Gly Phe Gln Thr Ile Leu Lys Arg Leu Asp Val Thr Cys Asn Val Ile
 1 5 10 15

Glu Gln Phe Asp Asp Pro Gly Tyr Tyr Gly Ser Met Lys Ser Pro Trp
 20 25 30

Phe Leu Glu Leu Ala Cys Phe Tyr Ser Gly Lys Asn Phe Leu Ala Pro
 35 40 45

Gln Leu Thr Ala
 50